

# Manufacturers Record

## Exponent America



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Baltimore, Md.  
JULY 19, 1928

## Will Other Democratic State Conventions Follow Nevada's Lead for Protection?

The Democratic State Convention of Nevada at its recent meeting adopted a resolution which stresses the fact so often emphasized by this paper--that the tariff should not be a political issue but strictly economic. The plank of the Democratic party of Nevada is as follows:

"The tariff is no longer a matter of partisan politics; it is both national and local in character. It necessarily affects different States, communities and industries in different ways. The Democratic Party of Nevada, therefore, declares that henceforth its representatives in the Senate and Congress shall not be bound by any party caucus on this subject, but shall at all times be free to vote not only for such schedules as may affect the industries of the State, but also free to vote for any tariff bill which will benefit the products and industries of this State."

How many Democratic State conventions in the South will read the handwriting on the wall and adopt a plank similar to the one adopted by the Democratic convention in Nevada?

The ice is broken by Nevada. Heretofore individual men through the South have favored a protective tariff. The Florida State Chamber of Commerce has strongly appealed for a tariff on the products of that State which come in competition with foreign products. Texas growers of early vegetables, and the growers of peanuts and soy beans in other parts of the South, have fought for a protective tariff. But we believe Nevada is the first State in which the State Democratic Convention has definitely allied itself with the demand for a protective tariff.

Until Southern Democratic conventions officially follow Nevada's example, those who are struggling to secure a protective tariff for the South are compelled, even if unwilling to do so, to look to the Republican party for protection against cheap foreign labor.



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## Manufacturers Record

RICHARD H. EDMONDS, Editor

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# Manufacturers Record

EXPONENT OF AMERICA

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of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. XCIV No. 3 }  
Weekly. }

BALTIMORE, JULY 19, 1928.

{ Single Copies, 20 Cents.  
\$6.50 a Year. }

## What Once Seemed Optimism Now Seems Like Pessimism About the South.

**W**E have been optimists on the South and its vast industrial and general business progress, but all that we have previously said about this section—if measured by the actualities of the present—was of a pessimistic nature. The writer once took to the Birmingham district a great engineer who had not believed in advance of the trip the statements made to him about the resources of that section. After he had been in Birmingham a week studying its advantages, he said:

"I thought you were an optimist on Birmingham. Now I know you have been a pessimist."

That is the way the writer feels as to the things he has written about the South as compared with the reality of the present. Day by day we are dazed, staggered almost, as we undertake to keep in touch with the truly amazing progress the South is making. This progress is incomprehensible, it is beyond the ability of any of us to fully visualize. Day by day vast enterprises of tremendous moment are coming into existence. Florida, for instance, long needing adequate cold storage facilities, is planning now for two great cold storage plants, one on the Atlantic side and one on the Gulf side, each to cost from \$2,500,000 to \$3,000,000. Pipe lines aggregating thousands of miles, and representing millions of dollars of investment are being rapidly constructed in the oil and gas regions of the Southwest. Vast oil expansion plans are under way. Millions on top of millions are going into these enterprises. Bridges almost without number, built by private capital and by states, some as toll bridges and some as free bridges, are being thrown across the great rivers of the South with a rapidity which is astonishing as to their number and cost.

Consider for a moment the list of great enterprises reported within the past week only, bearing in mind that week after week reports of new industries equally as important in cost and in number could be given. Here are a few of the outstanding enterprises reported in this week's issue of the **MANUFACTURERS RECORD**:

The Southern-International Paper Co., an International Paper Co. subsidiary, announced plans for a \$5,000,000 kraft paper mill to be erected at Mobile with a daily capacity of 170 tons, and to give employment to 500 persons. The company has secured control of sufficient timber land to give it by reforestation a permanent supply of lumber, so it is announced.

The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La., has decided on additional im-

provements in connection with the development of the Pontchartrain lakefront to cost \$13,000,000, bringing the total cost of improvements under way and outlined to \$40,000,000.

The City Plan Commission of St. Louis, Mo., last week made public a comprehensive plan for developing the waterfront of the city at a cost of \$50,000,000, providing for elevated and superhighways, a large automobile parking space, a plaza and similar improvements.

The Moody-Seagraves Co., Houston, announce plans for two pipe lines, one from the Monroe gas field in Louisiana to St. Louis, Mo., and the other from Laredo, Tex., to Monterey, Mexico, to involve a total expenditure of nearly \$25,000,000.

Eastman, Gardiner & Co. are erecting a large lumber mill at Laurel, Miss., to replace a mill recently destroyed by fire. Preliminary work has started on a ship channel and waterfront terminals at LaPorte, Texas, near Houston, to involve the expenditure initially of \$6,500,000.

Contracts for construction work, machinery and materials for the \$3,000,000 cold storage project of the Tampa (Fla.) Union Terminal Co., have been awarded and work is actively under way. Plans and specifications are being completed for a similar plant at Jacksonville for the Commodore's Point Terminal Co. The St. Petersburg Cold Storage Co. awarded contracts for plants at St. Petersburg and Clearwater.

More than \$2,000,000 is being expended for improvements at Texas City, Tex., by the Texas City Terminal Co., providing for improvements to its grain elevator, additional warehouses, piers, etc.

On a bid of \$568,000, a general contract for erecting a merchandise warehouse on the new pier under construction at Port Covington, Baltimore, for the Western Maryland Railway Co., has been awarded to P. C. Streett Engineering Co. The entire project will necessitate an investment of \$4,000,000.

General contract has been awarded to Patti Construction Co. for erecting the \$2,250,000 automobile assembly and body plant for the Chevrolet Motor Co. at Kansas City, Mo.

A. K. Adams & Co., Atlanta, Ga., has been awarded general contract for the erection of a mill addition and three warehouses for the Southern Brighton Mills, Shannon, Ga., in connection with a \$2,000,000 expansion program.

Architects soon will be selected for four more Federal buildings to be erected in Washington, to provide facilities for the Department of Justice, Department of Labor, Interstate Commerce Commission, and Independent Offices. Work is now in progress on the \$17,500,000 Department of Commerce Building and on the \$10,000,000 Internal Revenue Building.

The Grand Realty Co., Kansas City, Mo., awarded the con-

tract for a \$1,500,000 store and professional office building.

Architects have been selected to prepare plans for a \$750,000 medical arts building at Beaumont for Dallas, Texas, interests.

J. P. Stanton & Co., Knoxville, have announced plans for a medical arts building and garage to cost more than \$750,000.

A Cincinnati syndicate has acquired a site in St. Louis, Mo., for a \$500,000 store, office and garage building.

J. L. Bowling and Isadore Shanks have been selected as architects for a \$2,500,000 25-story apartment building in St. Louis, Mo.

The McKelvey-Carter Construction Co., St. Louis, secured general contract for a \$1,000,000 hotel in that city.

Plans are being prepared by Little Rock, Ark., architects for a 14-story \$1,500,000 addition to the Eastman Hotel at Hot Springs, Ark.

The Virginia Engineering Co., Newport News, Va., submitted a low bid of \$879,000 for constructing the Veterans' Hospital at Alexandria, La., for which an appropriation of \$1,500,000 is available.

The Morten Investment Co., Dallas, has started work on a \$1,000,000 hotel after plans by W. Scott Dunne, Dallas, architect.

The National Capital Park & Planning Commission, Washington, has approved the construction of a toll bridge below Great Falls by the Great Falls Bridge Co., organized by Washington interests.

Contracts will be let next month for the superstructures of the Chef Menteur and Rigolets bridges in Louisiana, estimated to cost over \$2,000,000.

Forrest County, Mississippi, voted \$1,000,000 bonds for highway construction.

Fayette County, Tennessee, will sell \$600,000 road and bridge bonds this month.

Orange County, Florida, marketed \$1,100,000 road bonds.

These are but a fraction of the long list of new enterprises reported for the past week.

### GOOD BANK ADVERTISING.

THE Atlantic National Bank of Jacksonville, from time to time carries in the daily papers of that city large outstanding advertisements setting forth the resources and progress of Florida, a system which might well be adopted as to their own communities and States by banks throughout the South.

One recent advertisement is devoted to the fish industry and attention is called to the fact that Florida has an annual production of 150,000,000 pounds of seafood, worth approximately \$25,000,000. The State has 4500 miles of commercial fishing waters, giving employment to 20,000 people. It is also claimed that "Florida is the largest shipper of iced fish in the world."

Another advertisement deals with the cigar industry, illustrated by a photograph of two full carloads of a particular brand of cigars that are being shipped from Florida to Minneapolis. In 1925 over 550,000,000 cigars were produced in Florida, at an estimated value of over \$35,000,000, or about one-twelfth of the country's total cigar industry.

Another advertisement shows the picture of a virgin forest of what is known as Florida dense long leaf yellow pine, much of which goes steadily through the port of Jacksonville to cities of the Eastern seaboard of this country, the West Indies, South America and Europe. Many facts are given in regard to the character of this pine and its quality.

Wherever such intelligent bank advertising can be done and as the local people become familiar with the facts worked out, the enthusiasm of the community is aroused over their resources and the facts are made widely known throughout the country.

### A STRAIGHT-OUT FIGHT AGAINST PROHIBITION.

AS though to emphasize Governor Smith's determination to make an aggressive fight against prohibition, the selection of John J. Raskob, of the General Motors Co., very strongly shows what is in Governor Smith's mind on the prohibition situation. Mr. Raskob is a vigorous and aggressive fighter against prohibition. He recently wrote a letter on the subject and mailed it apparently to every voter in the State of Delaware whose names he could secure. With Governor Smith kicking the prohibition plank of the Democratic Convention overboard and selecting Mr. Raskob as manager of the Democratic campaign, he has allied himself with this as one pre-eminent issue which cannot by any possibility be overlooked by the people of this country. They are face to face now with the most determined struggle that has ever been made to capture the control of America, for the abolition of our prohibition laws, and to give Tammany a complete domination over this country, which, judged by all the records of the past, would be complete damnation of the country.

An Associated Press interview with Mr. Raskob on July 14 quoted him as follows:

"Now, however, I see an opportunity of performing some constructive service by helping relieve the country of THE DAMNABLE AFFLICTION OF PROHIBITION. (Caps ours.) Governor Smith has taken a courageous stand on that important question and I accepted the chance to help him."

This is no time to mince words. It means that into the Smith campaign will be poured millions of dollars without limit wherever it can be used in propaganda work or in capturing the votes of the aliens of the country and for every influence in favor of the liquor interests. The war for these things will be waged with unrelenting bitterness. It will be a war on the part of Tammany to the hilt and there is no sharper, shrewder or more unscrupulous organization in the world probably than Tammany, corrupt through all of its history, with increasing corruption as the years have passed on.

Every man and woman in America who believes in prohibition and who does not want this country to be controlled by Tammany must stand with unbendable backbone against the influences which will try to cajole or browbeat the people into voting for Governor Smith. This is a time that will test the strength of the moral influences of America as they have never been tested before. The fight will be long, bitter, heavily financed, and unscrupulous in the methods of the Tammany ring and all of its activities. Will the South permit its politicians to sell its soul to Tammany?

### GEORGIA ATHLETE SETS A NEW WORLD RECORD.

OF all the famous athletes turned out in recent years by the Georgia Tech, the latest is Ed Hamm, who made the greatest broad jump of recorded history when his speed and his good left leg lifted and shot him across 25 feet, 11½ inches. This greatest jump of history was made on a blistering hot day at the Harvard stadium in Cambridge, Mass., where had assembled a splendid array of athletes for the final tryout for the Olympic games. Hamm's great leap clinched his place on the Olympic team, but if he should never jump again he will have placed his name and the name of Georgia Tech high on the roll of athletic honors.



## Unrestricted Immigration and Free Trade Advocated by Some Southern Papers.

"A NEW Declaration of Independence Needed," as published on the cover page of MANUFACTURERS RECORD of July 5, has stirred up a rather lively hostility on the part of some newspapers in the South, and rather hearty commendation from other sources.

The Charleston News & Courier thinks the MANUFACTURERS RECORD is behind the times because it has referred to the fact that 75 per cent of New York's population is foreign stock. It wants to throw open the gates of the South widely to aliens from all other lands. It wants them to operate farms and factories in South Carolina and elsewhere. But the serious minded men of this country have long since realized that unrestricted immigration was endangering the future of America and, therefore, Congress passed the present immigration laws which shut out to some extent the tremendous rush of foreigners who prior to the European War were coming mainly from Southern Europe to the extent of 1,250,000 or more a year. This was the kind of immigration the steamship lines were encouraging and which a good many employers of labor desired, under the impression that it would bring about cheaper labor in this country.

Regardless of the views of manufacturers or of any other employers of labor who might favor unrestricted immigration, this paper unceasingly opposed opening the floodgates of Europe, permitting the off-scourings of Europe to be poured into this country along with the good immigrants. Possibly the News & Courier is not familiar with the fact that it was once discovered that two European countries from which many of our immigrants were coming, were paying a bonus to steamship lines for every immigrant taken out of their country to America.

The writer listened once to a former immigrant, a professor in a Western college, who told of how heavy immigration from Sicily had cut in half the criminal activities of that island, attributing it to the fact that this gave more work to those who were left behind. At the close of his lecture we asked if it had ever occurred to him that the immigrants from Sicily were largely of the Mafia class, themselves criminals, who had been unloaded on America, and that that was the reason there was less crime in Sicily. He blandly admitted he had never thought of it in that light, and that is about the way some people think they think.

New England cotton mill people have been turning to the South in order to escape from the foreign labor element, Greeks, Poles, Hungarians and other Southern Europeans now the main source of cotton mill labor in New England. The garment workers of New York have so completely dominated that industry that there is a trend from that congested district to the South for the manufacture of garments with Southern labor. The industrial development of the South has not yet reached a point where it can absorb the supply of Southern labor, and until it does we do not need the recruits of the European classes from which for years we drew most of our labor. The News & Courier may hanker for the incoming of this foreign element to add to the problems we already have in the South, but it will find very few other people who desire it. In discussing this subject the News & Courier says:

"A 'New Declaration of Independence' is set forth on the cover page of the MANUFACTURERS RECORD, of Baltimore, and it is declaring against the 'foreign stock' of New York, warning that the country, including the South, may pass under the domination of 'aliens.'"

"One infers that the MANUFACTURERS RECORD would have no 'aliens' in the South. As long as we Southerners erect barriers against newcomers, aliens, we shall have millions of

negroes, and their presence apparently gives no concern to the MANUFACTURERS RECORD.

"Probably it is alarmed at the establishment of Mr. Hugh McRae's colony near Wilmington, in North Carolina, where are persons of a dozen European nationalities who are reclaiming and redeeming that region.

"Probably the MANUFACTURERS RECORD would have all Germans, Italians, Dutchmen, Irishmen, Englishmen, Greeks, Scots kept out of this sacred Southern land with its millions on millions of unoccupied acres.

"Probably 'the new declaration' of the MANUFACTURERS RECORD is consistent with its none too hearty disposition toward the plans of citizens of five or six Southern states to obtain help and encouragement from Congress in reclamation experiments.

"Yes, we want aliens in the South, we want them to operate farms and factories, and if the election of Governor Smith would interest 200,000 'aliens' in South Carolina so they would come here and work instead of sweating themselves on 'the sidewalks of New York,' that alone should be sufficient argument to elect him President.

"Absence of competition with white labor is not making poor Southerners rich. It is keeping them poor.

"So long as Southern people deceive themselves that they are a people superior to 'alien stock' they will deserve to stay poor.

"The esteemed MANUFACTURERS RECORD is years behind the times. It is thinking in terms of 1885."

The Durham, N. C., Herald turns loose its vials of wrath against the MANUFACTURERS RECORD on the ground that this paper is favoring a protective tariff and, therefore, is opposed to the election of Governor Smith. It says that the MANUFACTURERS RECORD has been serving the Republican party for some years and was only waiting for the time to come when that party needed it to take an out and out stand.

For 46 years the MANUFACTURERS RECORD has been favoring a protective tariff. It rejoices that the sentiment for a protective tariff on the part of farmers as well as manufacturers is growing apace, and this fact was recognized by the Democratic Convention at Houston.

The Herald closes its editorial with the following statement:

"The trouble with the MANUFACTURERS RECORD is that it has become intensely excited and has departed from its usual rule of argument on facts to make assertions. The voters are not going to accept the mere assertions of the MANUFACTURERS RECORD. They have no reason to. That publication has not established itself as wiser than all others of the generation, nor has it been so sane and safe and sound as to warrant more consideration than any other publication of average standing. It will have to produce facts and not mere assertions of its own manufacture or of the manufacture of others equally as prejudiced."

The MANUFACTURERS RECORD is not at all excited, but the Durham Herald seems to be very greatly upset. This paper has not claimed to be wiser than all other publications, but it has been "hewing to the line, let the chips fall where they may," for many years. In the Free Silver campaign of 1896, although the writer believed in bi-metalism when it could be brought about on an international basis, the MANUFACTURERS RECORD felt compelled to oppose the Bryan campaign because of what we regarded as a serious economic error by Mr. Bryan. Because we dared to express our opinion on that subject Southern papers which were hurrahing for Free Silver, whether they believed in it or not, and merely because it was the party cry, vigorously denounced the MANUFACTURERS RECORD. It has lived through fights of many kinds, but it is not excited; it is simply telling its readers some of the reasons why it believes in prohibition and a strict enforcement of it, in a protective tariff for agriculture and for manufactures alike, and for a lessening of the rush of the

lower classes of Southeastern Europeans, alien in every respect to the policies of this country—a fact that is today accepted by the leading men of America and even by employers of labor, who one time thought that they had to depend upon this foreign labor.

The Spartanburg, S. C., Herald also turns its attention to the MANUFACTURERS RECORD and says that this paper "almost out-Herods Herod in its blind devotion to the protective tariff as a source whence all blessings flow. If Governor Smith disapproves this old anti-Southern policy, conceived and carried out in promotion of industries for long located wholly in the North, then he will be anathema and Hoover the only hope of the country, so far as the MANUFACTURERS RECORD goes."

If the Spartanburg Herald will interview the cotton mill people of that section, the people who are creating employment for thousands of laborers that otherwise would have been idle; if it will interview the farmers who are producing foodstuffs which come in competition with foreign raised foodstuffs, it will find that there is a protective tariff sentiment growing in the South a good deal more rapidly than it has probably yet understood.

When Henry Watterson was taken to task by one of his readers for an editorial in which he vigorously criticized some actions of the Democratic party, his reader claiming that it was unfair for Mr. Watterson to criticize anything done by the party, he wrote a lengthy editorial in reply to his critic and ended with this statement:

"Things have come to a hell of a pass  
When a man can't wallop his own jackass."

We suggest that this should be studied by many papers who haven't the courage of Col. Watterson to dare to criticize their own party when it goes wrong.

Do the papers from which we have quoted voice Governor Smith's views for unrestricted immigration and for free trade?

Does Tammany want to add still more aliens to New York's immense foreign stock population, already over 75 per cent of its total population?

### A TRIBUTE TO THE FLORIDA EAST COAST RAILROAD.

CHARLES F. BURGMAN of Daytona Beach, Fla., who has been one of the most vigorous workers in behalf of the Florida East Coast Canal, in a recent address before a luncheon club paid a high tribute to the policy pursued by the Florida East Coast Railroad Company in connection with this work.

The Daytona Beach papers give the following in regard to Mr. Burgman's statement:

"While I rejoice in the victory gained at the recent canal bond election, and while I believe the canal will benefit rather than injure our railroad, nevertheless, I wish to pay an adequate tribute to that great transportation that has changed the east coast section from a swampy forest to a modern paradise. Double tracked and equipped with the finest rolling stock procurable, including smokeless, cinderless engines, the Florida East Coast railroad is the equal of any system in America, whether that system be operated in the thickly populated centers of the East or the vast open spaces of the West. It was established by the late Henry M. Flagler, who, by the way, was president of the first organization that sought to establish the canal for the purpose of empire building, and not with mere gain in view, and it is my opinion that the gentlemen who guide the destinies of the road today are worthy successors to the 'Father of the East Coast.' With improvement of the canal practically assured after a score of years of battling, it is my hope that residents of the East Coast will more than ever manifest friendly interest in the great railroad system that has made it possible for them to abide and wax rich in this beautiful section."

### A FRIENDLY CRITICISM AND A REPLY.

McWhorter Tractor & Equipment Co.,  
McCormick-Deering Tractors.

Chattanooga, Tenn., July 2.

*Editor Manufacturers Record:*

A few days ago we entered our order for two years' subscription to the MANUFACTURERS RECORD. We value this magazine very highly, but if a little constructive criticism will be in order we will make it.

We have today received copy of the MANUFACTURERS RECORD, and the writer has carefully inspected it. He wishes to call your attention to the following fact: In your index of advertisers on page No. 154 we fail to note where it shows that Henry Ford, the Ford Motor Company, or any of his subsidiaries are listed as advertisers; however, on the front outer cover of your magazine we notice, in very heavy type, an article pertaining to some comment made by Henry Ford on the Prohibition question.

The writer holds absolutely no malice whatever toward the Ford Motor Company, but he does think that Mr. Ford should pay for his advertising as well as the many customers in your index.

W. F. McWHORTER, Manager.

We are glad to give space to Mr. McWhorter's letter, in order to emphasize what we thought every reader of the MANUFACTURERS RECORD knew—namely, that the cover page of this paper is never sold for advertising purposes, nor in any way whatever used in connection with advertising.

In publishing the views of Mr. Ford as an employer of labor, on the question of Prohibition, it was immaterial to the editor of the MANUFACTURERS RECORD whether Mr. Ford was a subscriber or advertiser or not. That center cover page space is not and never has been for sale. We have been repeatedly asked to name a price for an advertisement in it, but no offer, however large it might be measured in dollars, would be accepted for that space. In this connection we might add that the editorial and news matter published in the MANUFACTURERS RECORD is in no way connected with the matter of advertising or with the business department. The two are run absolutely separate and distinct.

In a recent issue of the MANUFACTURERS RECORD, for instance, three or four pages were devoted to illustrations and descriptions of farm machinery. But there was no thought in connection with that article as to whether the machinery illustrated was made by an advertising friend or by an enemy, if we have enemies in the business world. Perhaps some of the very machinery represented by Mr. McWhorter was illustrated in that special article, but whether it was or was not, that space was given to the subject wholly as a matter of news to our readers without regard to whether the manufacturers of the machinery were subscribers or advertisers.

We accept Mr. McWhorter's constructive criticism, as he calls it, in good spirit. We have no complaint to make and no criticism of his letter. We are simply using it, as we presume he intended it for publication, to set forth the policy of this paper in regard to editorial and news matter as being disconnected from advertising matter.

If Mr. McWhorter will get from the heads of the great companies which he represents, as shown by his letterhead, statements as striking as those of Mr. Ford in behalf of prohibition, we will be glad to let them have the benefit of the cover page to show our readers how they stand in favor of prohibition as a great economic and moral issue.



## Senator Owen on the Possibilities of Good and of Evil in the Federal Reserve System.

The White House,  
Washington.

December 23, 1913.

My Dear Senator:

Now that the fight has come to a successful issue, may I not extend to you my most sincere and heartfelt congratulations and also tell you how sincerely I admire the way in which you have conducted a very difficult and trying piece of business? The whole country owes you a debt of gratitude and admiration. It has been a pleasure to be associated with you in so great a piece of constructive legislation.

Cordially and sincerely yours,

WOODROW WILSON.

Hon. Robert L. Owen,  
United States Senate.

**H**ON. ROBERT L. OWEN, for 18 years an honored member of the United States Senate from Oklahoma, and perhaps the most active member of the Democratic party in writing the bill for the Federal Reserve System, contributes to this issue of the MANUFACTURERS RECORD an extremely interesting discussion of the activities of that system. Senator Owen recognizes, as the MANUFACTURERS RECORD has done since the bill was passed, that there are limitless potentialities for good in the Federal Reserve System, and likewise limitless potentialities for evil if the men in charge of that organization and of the branch banks fail to measure up to the tremendous responsibility placed upon them.

When the bill was passed the MANUFACTURERS RECORD took the position that it gave the greatest financial power ever conferred by legislation upon any seven men in the world's history; that if the Board was wisely managed it could be of inestimable value to the United States, and that if unwisely managed it could be of enormous disadvantage. That the Board in times past has made some serious blunders is now fully recognized even by the members of that organization, some of whom hold very different views from those they held in 1919 and 1920.

In 1919 there was inaugurated a definite campaign to break down prices and bring on deflation. Senator Owen points out how this was brought about and the fearful disasters which followed, and from which we have not yet fully recovered. Many banks and business houses that really became bankrupt in that deflation campaign in 1919 or 1920, held on year after year, gasping for breath and hoping for some turn in the tide that would enable them to win out. Bank failures to a larger extent than ever before naturally followed that deflation. The figures as given by Senator Owen may be startling to some of our readers who have not followed this situation carefully. Farmers and others who had produced at a high cost were suddenly faced with terrific losses due to the low prices brought about by deflation. They could not pay their indebtedness to the banks, and for awhile were carried by the banks, which hoped that in this way they might be saved from marking off millions of "frozen assets." Year by year these assets continued frozen, resulting from time to time in many bank failures, as impoverished farmers and business men found no possible way of recovering their losses and meeting their bank obligations.

The evils of deflation were probably never more strongly stated than by D. R. Crissinger in an address on July 14, 1921. Mr. Crissinger's resignation as Governor of the Federal Reserve Board was a tremendous loss to the country, as he was the one man in that organization who after his appointment seemed to understand how to meet financial conditions as they developed to better advantage than many

others. In an address on July 14, 1921, Mr. Crissinger said:

"It is a fundamental truth that banking systems are designed to help business and enterprise, rather than that industry and enterprise are to help banks earn the largest possible returns.

"I cannot too emphatically say that I do not believe deflation in currency and credits can go hand in hand with a regime of high interest rates, without imposing great and dangerous hardships upon the people. If that be financial heresy or economic treason, make the most of it!

"Falling prices and high interest rates are never the twin sisters of prosperity; and no more for the banker than for the general public. High interest rates and prosperity were never bedfellows."

The views expressed by Senator Owen and by Mr. Crissinger are in direct harmony. Senator Owen has clearly stated the evils of deflation against which he so vigorously protested in the Senate while that campaign was under way. He has now rendered a distinct service to the country by presenting in his article many striking facts on the evil of currency and credit deflation. These statements coming from the man who more than any one else was responsible for the bill which brought the Federal Reserve System into existence, will command the widest attention throughout the country and put our people to serious thinking as to how the Federal Reserve System can be made to yield the best results inherent in its organization, and avoid the mistakes which are likewise inherent in its very existence.

On February 25, 1908, over five years before the first Wilson Administration came in, Senator Owen delivered a speech of three hours on the floor of the Senate, outlining the principles afterwards written into the Federal Reserve Act by him as chairman of the Senate Committee on Banking and Currency, in December, 1913:

First, that the money of the country should be United States Treasury notes based upon adequate collateral security and bank credit and redeemable in gold; that such notes should be elastic currency and should expand to meet in full the actual requirements of American commerce.

He demanded a gradual retirement of the bond-secured National Bank notes, and that there should be a complete readjustment of cash reserves, so that such reserves should be always actually available.

It was due to his demand that the Federal Reserve System was put under the Federal Reserve Board and that the Board itself was comprised exclusively of United States officials; that bank notes were not issued against bank credits for the money of the country.

It was upon the demand of Senator Owen made on the floor of the United States Senate, March 25, 1908, and accepted by Senator Aldrich then and there, that provision was made for the National Monetary Commission which greatly facilitated the final passage of the Federal Reserve Act, although the bill the National Monetary Commission drew differed entirely in principle from the Federal Reserve Act in that it gave the banks control instead of giving the Government control as Senator Owen demanded.

The bill which finally passed Congress was the bill drawn by Senator Owen and defended by him in a three weeks' debate in the daily meetings of the Democratic conference of the Senate.

President Wilson presented to him an original duplicate of the Federal Reserve Act on vellum, with original signatures of the officers of the House and Senate and of the President himself, and with one of the gold pens he used in signing it, and wrote him the letter quoted at the top of this editorial.

In the course of a letter to Senator Owen, Samuel Unter-

myer, thoroughly familiar as he was with the whole situation, wrote:

"I am familiar with your good record of public service in the domain of currency reform both before and after you went to the United States Senate. I happen also, as you know, to be very familiar with the herculean task you performed in the framing of the Federal Reserve Act as the result of your years of study and months of negotiation and of work connected with the present law, though I was with you during many of these phases.

"It is important that this matter from the viewpoint of history shall be set straight, and that the men who strove incessantly and successfully to place that great piece of legislation on the statute books should get the credit that is their due."

### TAMMANY IS STIRRING THE SOUTH TO THE SOUTH'S GOOD.

TAMMANY and the liquor interests which thought they had swallowed the Democratic donkey and would digest him at their leisure, have rendered the South and the country at large a great service. They have awakened the spirit of independence as nothing else could have done. Men who have long been dormant in the matter of voting, men who have ignored their responsibility to work and vote according to their convictions, men and women who have been held in the thralldom of party ties are breaking loose and are now beginning to think for themselves. Physical slavery was not half so injurious to the black man as has been mental slavery to many white men who dared not have the courage of their convictions and who felt that if they voted according to their desires they would be ostracized in their communities, denounced by the newspapers and regarded as traitors to their party.

Now there is an awakening, an awakening such as the South has never known. Men and women everywhere are ready to battle mentally and spiritually for what they believe to be right. They are going to voice their sentiment even if in doing so they have to go contrary to all their former affiliations and contrary to the views of many of their best friends. There will be divided households such as that of Clem Shaver, the chairman of the Democratic Convention, an enthusiastic worker for Governor Smith—while Mrs. Clem Shaver denounces Smith as an advocate of the liquor interests and a lover of the whole booze business. Mrs. Shaver is typical of the spirit to which millions of people are going to give voice. The women are no longer going to vote as do their husbands unless the views of the husbands agree with their own. Men who have been active in party work will no longer feel themselves bound by party ties to stain their souls with a vote contrary to their convictions. Great ferment is under way; the greatest the South has ever known. It means a rising tide of thought, of spiritual and mental activity, of moral backbone, and out of all of this will come an infinite amount of good for the South and for the country at large.

General Ulysses Grant, even in his day, viewing with alarm the heavy immigration of that time and fearing its influence upon the future of this country, said to his family, as expressed in a letter to this paper by his son Jesse Grant, that if the country could be saved from this alien spirit he saw no other way of its being done than through the Anglo-

Saxonism of the South. Perhaps this is the crucial hour in which America is to be saved by the South. Perhaps in the wisdom of the Almighty it is for this hour that the South has been getting ready. Here is its supreme opportunity, in all of its history, to render a service of inestimable value to this country and to the world.

The whole world is looking to this coming election for its effect on the liquor interests of the world and on immigration. Shall Tammany by its domination of this country have the power to throw open our gates to the rushing hordes of southern Europe who are eager to come to America and help to dominate America? Shall we add millions and millions of aliens to the millions whom we already have who have not been Americanized, but who still glory in the feuds which cursed Sicily and other parts of Italy and other countries in Europe to such a fearful extent, and which to a large measure have been transferred to America?

Once and forever the effort of the Tammany tiger to swallow America should be checked and destroyed, and the responsibility to a very large extent rests upon the men and women of the South, who have the courage to do this, even if at the time it compels them to break away from all past party affiliations. Tammany by its corruption and its alien element dominates New York City and through that power now dominates the State, but the counties of New York State go overwhelmingly against Tammany. Tammany, which is rightly represented by a tiger, should not be permitted to use its man-eating tiger blood lust on America.

### POLITICS SHOULD NOT HALT BUSINESS.

WHEN Thomas J. Hamilton, editor of the *Augusta Chronicle*, went to the Democratic convention in Houston he carried under his hat a plan that he hoped would prevent the nomination of Governor Smith. The convention must have been for him a time of intense interest in, and application to, politics, and yet Mr. Hamilton managed to study the foundation of Houston's extraordinary growth and prosperity, and to bring back something of much greater value to Augusta and the Southeast than the plan to defeat Governor Smith. The article he wrote on the Houston ship channel has attracted wide attention. It described how a city of less than 40,000 people dredged out a shallow bayou for a distance of 50 miles so that ocean-going vessels could come to their city, and Mr. Hamilton related that in 1927 Houston's exports were \$254,193,000. He then described the tremendous impetus that would be given to the industries of Augusta, of Georgia, and of the Southeast by canalization of the Augusta river to permit ocean-going vessels to dock at the city wharves.

The point of all this is that in the white heat of Houston's political convention Mr. Hamilton had an eye to industrial expansion, and made the most of his opportunity in that direction. The present presidential campaign promises to be one of the hottest of many years, and it would be a great mistake for the people of the South to permit preoccupation with politics to slow down their efforts at the development of their section. Industrial expansion must go on regardless of politics.

Fort Humphreys, Va.—Proposals will be received until July 26 at the office of the Constructing Quartermaster here for building three engineer company barrack buildings, plans and specifications for which may be obtained from the Constructing Quartermaster.



# Salvaging Cottonseed Hulls—A New Industry Created.

By GEORGE M. ROMMEL, Agricultural Consultant, Washington, D. C.

"Cottonseed was a garbage in 1860, a fertilizer in 1870, a cattle food in 1880, and a table food and many things else in 1890." This quotation which appears in one of the bulletins of the 12th (1900) United States Census, was ascribed to a writer in a popular magazine of that period. His vivid language accurately portrayed the development of the cottonseed industry to the opening of the 20th Century. The transformation which has occurred during the past 25 years and particularly since the War is even more striking, because of the development of chemical research on cotton products and the results of this research in manufacturing operations.

From an accumulation of waste utterly without value except for the small amount which was needed to plant the next crop, a waste often the subject of restrictive legislation compelling its disposal, a \$500,000,000 industry has developed in 60 years as an adjunct to the cotton crop in the United States.

Twenty-five years ago cotton linters were of little value, used only for cotton batting and for stuffing mattresses. Today dozens of products of the highest value are made from cotton linters by the chemical manufacturer, while the oil from cottonseed has been refined until its best grades rank with the choicest food oils known. The cake and meal are among the most valuable protein cattle feeds which the livestock producer has at his command, and constitute an important element in the fertilizer trade. Chemists are now working to bring about further refinement of cottonseed meal so that it may assume a place of importance in the human dietary.

In 1899 the country's cottonseed crop amounted to 4,000,000 tons, and its average value was \$15 a ton. The cottonseed crushing industry was then only getting well started; indeed, it was just in its infancy. Last year more than

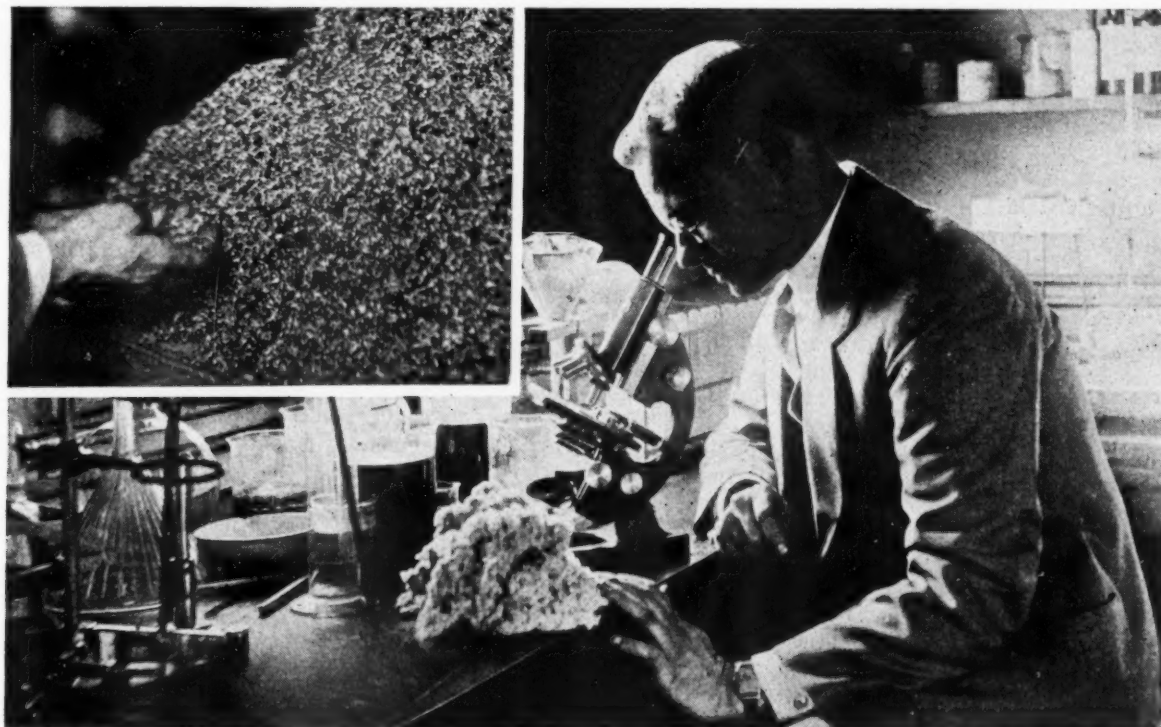
6,000,000 tons of cottonseed were crushed, yielding nearly 1,000,000 tons of crude oil. Almost 2,000,000 tons of hulls and over 1,000,000 bales of cotton linters were produced from last year's crop of cottonseed.

The annual cotton crop in the United States produces an average of about 1,500,000 tons of cottonseed hulls. Local demand for cattle feed fixes the price of hulls, which fluctuates widely, having been as low as \$2 a ton at some cotton oil mills in 1927. Last year thousands of tons of hulls were burned under boilers.

The hulls are the least valuable part of the cottonseed. Their principal use in the past has been for cattle feed, and cottonseed meal and hulls have been for years a standard cattle ration in the Cotton Belt. Hulls in such a ration have merit as feed, giving the ration bulk and balancing the richness of the cottonseed meal. Used alone, cottonseed hulls are poor feed, but will keep cattle from starving. Large quantities were bought at very high prices by Texas ranchmen during the drouth ten years ago.

But whatever may be said about the hulls alone as cattle feed, no claims at all can be made for the feed value of the fuzz which sticks to them even after the linters have been cut twice. This fuzzy material is actually cotton lint, and no one would think of feeding cotton lint to his cows. Cattle require a bulky ration. They eat hurriedly and digest at leisure, bringing up for a second chewing balls of food from the paunch to be thoroughly masticated and re-swallowed. When their food is not only bulky, but succulent and digestible, cattle grow fat; when it is only bulky they grow thin. A bulging middle piece does not necessarily indicate a fat animal; more often it shows the opposite. Cattle do not chew the cud for the same reason that a flapper or a tired business man chews gum.

There is nothing in the idea that the small lint fibers on cottonseed hulls "make a good cud." The best cud a cow



DR. E. R. DARLING, PLANT CHEMIST OF CORNSTALK PRODUCTS CO., DANVILLE, ILL., EXAMINING THE NEW "CHEMICAL COTTON" FROM COTTONSEED HULLS. (Inset) HULLS AS RECEIVED FROM THE MILLS.

can get comes from a rich pasture, as anyone can see by watching the improvement in condition of cattle on pasture when grass gets good in the spring. Then watch them go off in condition during a hot, dry spell in late summer, when grass loses its succulence, dries up and gets woody, and you see what mere bulk does to them. Bulk alone does not "make a good cud." There must be succulence and digestibility also. Neither of these qualities is found in cotton fiber. Cottonseed hulls without the lint are not at all succulent and they are low in digestibility. So that, taking lint and hulls together, as we find them in ordinary cottonseed hulls, they are by no means an ideal cattle feed.

Every successful feeder knows that a feed showing a high analysis of "crude fiber" has low nutritive value. Crude fiber is practically all cellulose, which the feeder avoids as much as possible, but which manufacturers are now using in constantly increasing quantities.

The very qualities which give cottonseed hulls a low value for cattle feeding make them valuable as raw material for the manufacture of such cellulose products as rayon, lacquers, celluloid and so on, because of their high content of cellulose.

Cotton fiber is almost pure cellulose, cotton linters are little lower in value than lint cotton in this respect, and even the fuzz on cottonseed hulls can be made valuable for chemical manufacture.

The hulls remaining after the fuzz has been removed are known in the trade as "cottonseed bran." This product has been analyzed by K. S. Markley of the United States Bureau of Standards with the following results:

ANALYSIS OF "COTTONSEED BRAN."	
	Per cent
Moisture .....	12.27
Ash .....	2.09
Crude fat .....	0.80
Crude protein .....	2.88
Crude fiber .....	32.49
Nitrogen-free extract .....	49.97
	100.00

The following yields of various chemical substances can be obtained where the proper chemical methods are applied to recover them:

CHEMICAL YIELDS.	
	Per cent
Nitrogen .....	0.46
Furfural .....	22.23
Pentose .....	43.14
Pentosan .....	37.92
Lignin .....	20.91

The nitrogen-free extract in cottonseed bran contains 37.59 per cent of sugar calculated as dextrose or 38.24 per cent calculated as xylose, according to Mr. Markley. It would seem from these figures that cottonseed hull bran is more valuable to the manufacturer than to the livestock man.

In view of these facts, the Southern cattle man would probably save money if he depended for his roughage on the wide variety of legume hay and the succulent pasture which he can produce, leaving cottonseed hulls entirely to the manufacturer. In other words, the chemical composition of cottonseed hulls indicates that they are worth more to turn into manufactured cellulose products than to feed to cattle, provided means are developed which make them profitable to manufacture. It now appears that this has been done.

Readers of the MANUFACTURERS RECORD are familiar with the efforts which are attracting so much attention in the North for the utilization of cornstalks and other farm wastes for manufacturing purposes. It now appears that the cottonseed hulls of the South have joined the Northern cornstalks in commanding industrial attention. While government scientists, working under a Congressional appropriation to discover ways of utilizing farm wastes, have been centering their research on these materials, private initiative has perfected processes for handling both on a commercial scale.

The Cornstalk Products Company which is responsible for the first cornstalk cellulose plant in the United States, now

going into production at Danville, Ill., has informed Federal research authorities that its chemists have also perfected a process for converting cottonseed hulls into cellulose and many valuable by-products.

The new process is said to differ radically from any heretofore used in attempts to salvage the chemical values known to exist in cottonseed hulls, because a perfect separation of the lint from the hulls is brought about by a chemical, rather than by a mechanical process. "Chemical cotton" has been produced in limited quantity by one process, in use in recent years, which first separates the lint from the hulls mechanically and then purifies the lint chemically. Another process effects a mechanical separation of the lint, which sells under the designation "hull fiber" as the lowest grade of cotton linters, and "hull bran," which is used as a filler or dilutant in the manufacture of livestock feeds. Neither of these methods is extensively used as neither one recovers the high cellulose value of the hulls.

A staff of eight chemists at the plant laboratory of the Cornstalk Products Company at Danville has been working for several months not only on the utilization of cornstalks, but on that of other vegetable fibers and farm wastes. In connection with this research a small commercial unit for the cottonseed hull process was installed at Danville and the results, it is announced, have proved so satisfactory that a subsidiary corporation has been financed to commercialize the cottonseed hull process in the South.

The new chemical cellulose industries, as well as the requirements for high grade paper making, have tremendously broadened the demand for cotton linters and correspondingly increased the value of cottonseed. More and more the lint has been removed by mechanical processes but there still remains a huge waste in cottonseed hulls. Chemists and engineers in the cottonseed industry have long concentrated their inventive skill on the problem which now appears to be solved.

Mechanical separation of the lint from the hull produces a disintegrated short fiber which sells for 2c or 3c a pound as against 8c to 12c for the highest grade of cotton linters.

Rayon manufacturers and others in the cellulose industries, even when using the highest grade of cotton linters as raw material, must purify them chemically, and the paper maker must bleach them. This processing and the resulting shrinkage add considerably to the cost of the raw material.

The new process of the Cornstalk Products Company produces a "chemical cotton" of short fiber but of uniform quality and length, averaging, it is stated, 97 to 98 per cent "alpha" content. It is pretreated chemically and ready to go into solution for rayon and the other chemical cellulose industries, or, without further bleaching, into the manufacture of paper. The company's chemists state that on account of the chemical treatment to which it has already been subjected, the new "chemical cotton" will be superior to cotton linters for many purposes.

It is stated that the "chemical cotton" recoverable by this process from the average yearly output of cottonseed hulls amounts to not less than 250,000 tons or 1,000,000 bales; also that the recoverable by-products of the process are as valuable as the "chemical cotton." The other products include a superior grade of cellulose flour which promises to be a more satisfactory product for use in industry than wood flour.

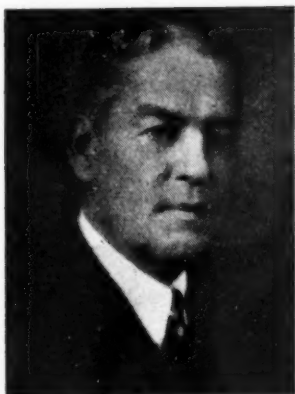
When the new process comes into general use, cottonseed hulls will no longer be classed as a waste farm product.

Engineers of the Cornstalk Products Company have been looking over the Memphis-Little Rock area for a location for their first cottonseed hull cellulose plant which the company expects to have in operation on the 1928 crop. At the same time the cornstalk cellulose production will be further extended in the North. The first shipments of cornstalk pulp were made recently to paper manufacturers.



# The Deflation of Credit and Currency by the Federal Reserve System.

By former United States Senator ROBERT L. OWEN of Oklahoma.



SENATOR ROBT. L. OWEN.

In July, 1919, W. P. G. Harding, then Governor of the Federal Reserve Board, demanded of the great banks of New York City that they reduce their loans to brokers on stocks and bonds in New York City. An invisible demand had arisen for a so-called "deflation." It was alleged that credit and currency had been inflated to the injury of the creditor class, and should be deflated. It was assumed that the high cost of commodities was due to inflation, ignoring the fact that the demand for commodities arising from war operations was excessive, and the supply of commodities had been limited by the withdrawal of men from production into fields of destruction in war. The Federal Reserve Board had a majority of its members sympathetic with this view, with John Skelton Williams, the Comptroller of the Currency, opposing.

World War conditions diminished supplies, increased demand, and lavish appropriations caused high prices of commodities. Nor was this condition remedied until after demobilization took place, and men went back into production, which took over two years.

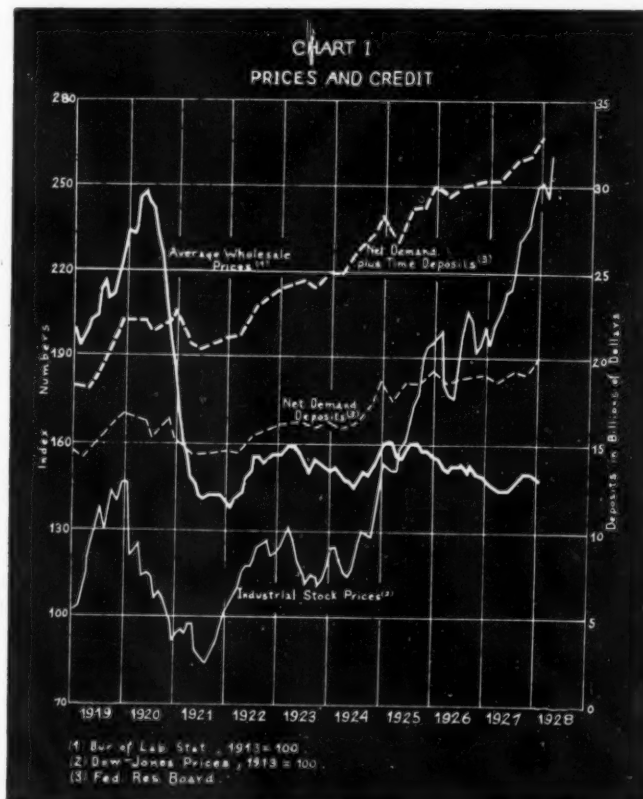
Those representing the creditor class, observing the use of government credit to the extent of over \$25,000,000,000 for war purposes, attributed the high prices entirely to credit expansion which was partly true, but very largely untrue, and did not justify the charge of inflation. Inflation means an unsound expansion of credit. The expansion of credit to defend the life of the government was a justified expansion, and a reasonable time should have been allowed within which to liquidate. Under this contraction of credit on the demand of the Reserve Board call money rates went up in New York City to 30 per cent by November 15, 1919, and the country began to have its confidence in the credit structure shaken. I personally protested against this policy as being unjust to the business men of America, and pointed out that if there were individual cases of abuse of banking credit, it could be controlled without blanket action imposing harsh conditions of credit on everybody.

At this time brokers' loans amounted to \$1,900,000,000. Recently they have been as high as \$4,900,000,000, with the President of the United States saying that it should excite no alarm. It became necessary to somewhat relax credits because of the urgency of the demand, but the pressure for general deflation was steadily carried on with propaganda in the public press, and the Federal Reserve Board was deeply affected by the opinion that deflation was necessary. They were advised by financiers in whose opinion they had great confidence. Between January and June, 1920, however, it will be found that eight different efforts were made by me on the floor of the Senate to prevent this unwise policy being put into effect. The MANUFACTURERS RECORD brilliantly led and supported the opposition to deflation to the infinite credit of this great industrial publication.

In May, 1920, the representatives of the twelve Federal Reserve banks had a confidential executive meeting in Washington and advised deflation of credit and currency. Senator

McCormick of Illinois presented and had passed in the United States Senate a resolution demanding of the Federal Reserve Board information as to what steps they were taking to correct the evils of inflation of credit and currency. This resolution of inquiry, with its fatal suggestion, passed without the adequate attention of the United States Senate in my accidental absence. The following day I made a vigorous protest against it, but the authorities in control of the Senate and House appeared to favor the policy of deflation, and in June the Republican National Convention placed in its national platform a declaration demanding: "The courageous and intelligent deflation of credit and currency."

And Senator Warren G. Harding, in his speech of acceptance in July, repeated this pledge to the country, and immediately following the election of President Harding, the contraction of loans was put over by the banks of the country with determination. On November 5, 1920, the loans and discounts of the national banks were \$12,311,000,000; on September 5, 1921, they were \$10,977,000,000. They contracted in the national banks loans by \$1,334,000,000 in ten months. The loans of the Federal Reserve banks for June 30, 1920, were \$2,830,979,000, and for other than Federal Reserve banks, \$31,256,147,000—total \$34,087,126,000. By June 30, 1922, the Federal Reserve bank loans dropped to \$623,161,000, and the



banks other than Federal Reserve banks, dropped to \$27,860,443,000—total \$28,483,604,000, so that in 24 months the banks reporting showed a contraction of credit of about \$5,600,000,000, not counting the contraction of banks not reporting, and not counting contraction of credit of great industrial and commercial companies and individuals who were compelled to follow suit.

But what was more important was the contraction of the

currency of the United States during this period of \$1,500,000,000, because every dollar of currency supports a credit structure of \$10, and this meant in reality a credit contraction approaching \$15,000,000,000, which, of course, must be taken to include the above mentioned credit contraction of the banks. By this unwise policy millions of private citizens were bankrupted just in degree as they were using the legitimate agency of credit. Ogden Armour was reputed to have lost \$50,000,000; the great and stable distributing houses of Sears, Roebuck & Company, and Montgomery Ward & Company, were terribly hurt.

Crude petroleum dropped suddenly from \$3 a barrel to \$1 a barrel; olive oil dropped from \$3 a gallon to \$1 a gallon; the Goodyear Rubber Company lost on its rubber inventory \$25,000,000. But the heaviest loss of all, perhaps, was suffered by the farmers and stockmen of America whose property was estimated by the Agricultural Department at \$79,000,000,000 before the contraction of credit, and at \$58,500,000,000 when the contraction of credit was finished, a loss to agriculture and the stock-raising industry of \$20,500,000,000. It is no wonder that the agricultural industry has entered strenuous complaint to the government for this injury.

The total commercial failures which, in 1919 had a monthly average of \$9,442,000, in 1920 reached a monthly average of \$24,593,000; in 1921, \$52,361,000; in 1922, \$51,989,000; in 1923, \$44,885,000; in 1924, \$45,269,000; in 1925, \$36,979,000, and in 1926, a monthly average of \$34,103,000—as set forth in Table 107, U. S. Department of Commerce Survey of Current Business, August, 1927.

The following table shows the destructive effect on the banks of the country:

#### BANK FAILURES.

Year	State Banks	National Banks
1919	35	1
1920	32	5
1921	263	28
1922	306	33
1923	202	37
1924	699	138
1925	421	102
1926	470	77
Totals	2428	421

Many savings banks, loan and trust companies, and private banks also failed. The effect on commodity prices of this policy is shown by the following table:

#### COMMODITY PRICES.

	Department of Labor, 404 commodities	Dunn's 1st of month, 300 commodities	Bradstreet's 1st of month, 96 commodities
1918 monthly average	194	190	203
1919 monthly average	206	191	203
1920 monthly average	226	207	204
1921 monthly average	147	141	123
1926 monthly average	151	156	141

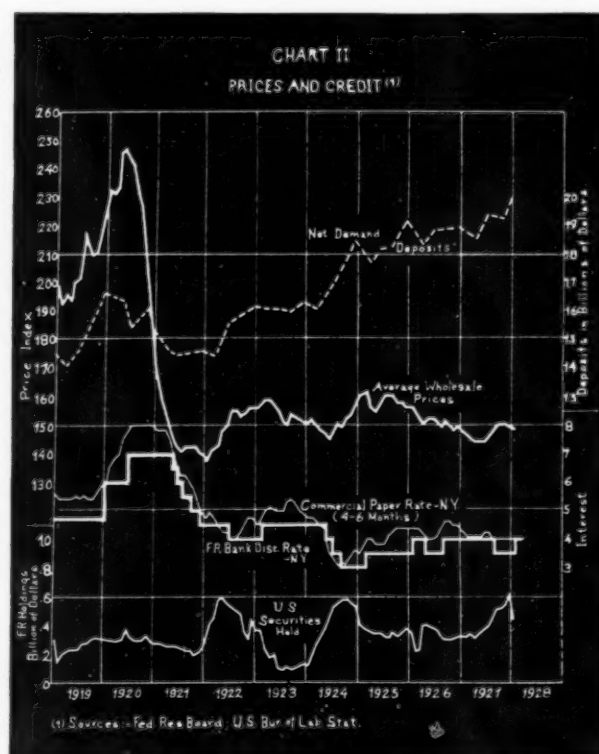
These figures convey but little idea of the sudden cyclone that struck the country in 1921, when men realized what it meant, and the banks were contracting credit at the rate of \$240,000,000 a month, demanding liquidation everywhere, and denying the values of collateral and commodities.

The effect will be observed by chart No. 1 and chart No. 2, showing the violent effect on average wholesale prices beginning in the summer of 1920, when the policy of deflation was pronounced as a political policy by the leaders then in control of Congress. This must not be held to excuse Democratic officials on the Federal Reserve Board. As a matter of fact, on behalf of the Democratic candidate, Mr. James M. Cox, I made an appeal to the Federal Reserve Board not to carry out this policy, but to undertake to maintain the policy of stability in credits which was so essential to the maintenance of prosperity in the country, and which was essential to avoid bankruptcy.

I personally urged upon the Federal Reserve Board to recognize the fact that commodity prices would necessarily go

through a serious fall in value for the simple reason that the scarcity of supplies would be corrected when men got back into production processes of business, and that this would be further accentuated by the diminished demand for commodities for war purposes, and when the forced sales of war stocks would be on the market. I urged that at such a time the credit structure should be maintained on a stable basis so that this unavoidable shrinkage in the value of inventories would not be made worse by the artificial contraction of credits. I soon heard it whispered I was putting political pressure on the Board.

It is to be hoped that such a cataclysm will never again be repeated in the history of America, and I am writing this article now to point out to you and to the country the relation between commodity prices and the expansion or contrac-



tion of credits. An examination of chart 2, for example, will show that in 1920 commodity prices rose from 210 in the fall of 1919 to 250, but that immediately the deflation policy was declared in 1920, commodity values dropped below 150, and that along with this went the violent deflation of credit and of loans and discounts, to which I have previously referred, and that the raising of the Federal Reserve bank discount rate, which immediately preceded this fall in commodity values, was necessarily a partial cause of it. It will be observed that the lowering of the bank rate, and of the commercial paper rate in New York in 1924, was immediately followed by rising average wholesale prices, as well as the rise in bank deposits.

It will also be observed that the purchase of United States securities (as indicated in the last line on chart 2) meant the release of cash credits and contributes to raising average wholesale rates as in reason one would be obliged to conclude.

In other words, the power in the hands of the Federal Reserve banks and the Federal Reserve Board may be exerted politically by causing commodity prices to rise immediately preceding an election, and contract after an election. It is of supreme importance to the people of the United States that we should have stability in commodity values, and since they are affected by the contraction or expansion of credits, that



the expansion and contraction of credits should be guided exclusively by the industrial and commercial necessities of the country, and not by any political exigency whatever.

In presenting the principles which should govern the Federal Reserve Board system, in 1908 on February 26 in the Senate I strenuously urged this view, and it is to be hoped that the country will realize the value and importance of keeping this end steadily in mind, and never again for any reason whatever permit the powers of the Federal Reserve system to be used either by expansion or contraction except for the purpose of stabilizing industry and commerce. If this policy is pursued, it will of necessity enable manufacturers and business men to lay their plans with more reasonable certainty, and will relieve them from the fear of violent disturbance which might otherwise keep many men from greater activity in production and distribution.

### South-Wide Cotton Stimulation.

New Orleans, July 14—[Special.]—Stimulation of the South's cotton industry, in wide ramifications, has actually been undertaken in practical fashion by the opening of headquarters here through which the South-Wide Cotton Council hopes to invest \$750,000 annually in this movement for the next five years. The Council accepted a gift of \$10,000 from S. Odenheimer, president of the International Trade Exposition here, to bring the headquarters to New Orleans.

In its plan to raise the fund by an assessment of five cents on every bale of cotton produced in the South, including last year's crop, the Council has arranged that producers who may be in financial straits shall be relieved through contributions by bankers, merchants, cotton mill owners and allied industries, all of which are represented in the Council membership.

The objectives of the Council are: Stabilization of price and production of cotton; co-ordination of activities of all agencies and societies functioning with the objective in view, and to bring into common accord the cotton States in the way of uniform state and national legislation; to conduct a study of the cotton situation from the standpoint of supply and demand; to disseminate information that will enable farmers to produce their crop at a profit, encourage economic production on restricted acreage and increase the food and feed supply.

The officers are: President, C. E. Thomas, State superintendent of banks, Montgomery, Ala.; vice-president, former Lieutenant Governor T. W. Davidson, Dallas, Tex.; president emeritus, Governor Dan Moody of Texas. The officers will serve for three years.

### Airmail Service for the South.

Contract for carrying airmail between New Orleans and Brownsville or Laredo, Tex., has been awarded to the St. Tammany Gulf Coast Airways, Inc., New Orleans, which will connect with similar service out of Mexico City, establishing direct airmail connection from the Mexican capital to New York City and Boston. The successful bid on airmail between New Orleans and Brownsville or Laredo, via Houston and San Antonio, was \$1 a pound, the lowest of five bids received. Mail leaving Boston at 6.15 P. M. will reach the Mexican border at 2.30 in the next afternoon, in comparison with the present four-days time by rail.

### Louisiana Parish Sells \$536,750 School Bonds.

Lafayette, La.—School bonds in the amount of \$536,750 have been sold by Lafayette Parish to C. W. McNear & Company, Chicago, at a premium of \$21,202, the bonds to bear an interest rate of 5 per cent. Proceeds will be used for a school improvement program in the parish.

## \$50,000,000 RIVER FRONT PROGRAM FOR ST. LOUIS.

### City Plan Commission Announces Comprehensive Scheme for Plaza and Superhighways—Three Fold Method of Financing Suggested.

St. Louis, Mo., July 12—[Special.]—The new St. Louis river front which will border the eastern end of the downtown business district, if the \$50,000,000 proposal of the City Plan Commission is realized, will call for the following projects:

1—A new thoroughfare 100 feet wide from the north and northwestern part of the city to Third street in the business district.

2—A new thoroughfare 100 feet wide from the south and southwestern part of the city to Third street in the business district.

3—Construction of elevated roadways in these two thoroughfares, having capacity for six lines of high-speed, non-stop traffic.

4—Widening and double-decking of Third street (140 feet wide) from Poplar street to Morgan street.

5—Acquisition of property between Third street and the river from Spruce street to Franklin avenue, for a river-front plaza.

6—Widening of Locust, Olive, Pine and Walnut streets, between Third and Fourth streets, to provide direct access between the business district and the upper level of widened Third street.

A three-fold method of financing this proposed river-front development is recommended in a report made by the City Plan Commission—by bond issue, by special assessments for benefits, and by resale or lease of certain property acquired through what is known as excess condemnation. The commission advises the most equitable method would be a combination of all three.

In order to carry out a project of this magnitude it may be necessary to make some changes in the city charter and in the state constitution, the commission's report asserts. Also, it is stated it would be foolhardy to undertake such a work piecemeal, because of the fundamental interrelation of the parts.

### Dallas Sells \$3,000,000 Worth of Debentures.

Dallas, Tex.—The City Commission has negotiated the sale of \$3,000,000 worth of City of Dallas debentures to George L. Simpson & Company, Inc., and Garrett & Company, both of Dallas, \$1,000,000 of the amount to bear 6 per cent interest and the remaining \$2,000,000 to bear 5½ per cent. Funds to be made available by the sale will be used for street improvement projects and it is said that property owners benefitted will have 15 years in which to pay for their part of the improvements assessed. Under plans evolved, street improvement certificates on particular projects will be bought by the city and debentures based on this paper will in turn be sold to the two financial houses. Collection of the original certificates will be made through the Tax Collector's office.

### New Lumber Mill Under Construction.

Laurel, Miss.—Construction is under way on a two-band and resaw mill, of timber construction, for Eastman, Gardiner & Company, to replace a mill recently destroyed by fire. A machine shop, round house, blacksmith shop and dry kilns will also be constructed, machinery having been purchased for all units. Major equipment contracts have been awarded to the Filer and Stowell Company, Milwaukee, Wis.; Welch Dry Kiln Company, New Orleans, La., and the Atlanta branch of the Grinnell Company, Inc., Providence, R. I.

### After 50 Years As a Banking Officer, Mr. Eugene Levering, in Retiring, Pays a Beautiful Tribute to Officers and Employes.

After 50 years as one of the foremost bankers of Baltimore, for the greater part of the time president of the National Bank of Commerce and after that was combined with the Merchants National Bank, chairman of the latter, Mr. Eugene Levering decided to retire from the banking business. But that does not mean that he retires from the many activities in the commercial and religious world with which he has long been identified. He is well known, not only as one of the foremost business men of Baltimore during his entire career, but as a leader in every good work for the educational and religious advancement of the city.

In severing his activity as a bank officer Mr. Levering did a graceful thing, typical of his whole career. The Merchants Bank and the Citizens were recently combined as the First National Bank. To all the officers and employes of the Merchants National Bank he sent an invitation to meet him at one of the hotels. Of the 178 officers and employes, 174 were able to accept his invitation. In greeting them Mr. Levering handed to each one a letter which read as follows:

"In connection with my retirement after 50 years' service as an active bank official, and the incoming of the First National Bank through the merger of the Merchants and Citizens National Banks, I cannot let such a double occasion pass without some expression of my kindly feelings toward those still living who for these many years, some more, some less, have contributed to the success which has marked the history of the two institutions with which I have been connected. It is my pleasure, therefore, to say to you that you will receive shortly a certificate of stock of the First National Bank which I feel sure you will accept as an expression of my kind regard toward you personally and as one who has contributed to the success achieved.

"It occurs to me to say that while the disposition of this certificate is entirely within your own volition, yet it might be that you would feel disposed to retain it in your possession indefinitely, regarding it somewhat in the light of a souvenir of our mutually pleasant relationship.

"With cordial greetings and best wishes for your future welfare."

Owing to the delay in the engraving of the stock of the First National Bank, the certificates could not be delivered to those in attendance at the meeting, but everyone of the 178 officers and employes will receive as a gift from Mr. Levering a certificate of stock in that bank, the aggregate amount running high up into the thousands.

So quietly was the whole thing done and so modest was Mr. Levering in the handling of the matter that not a word of this unusual meeting and this gift appeared in the daily papers. Only by accident did the MANUFACTURERS RECORD hear of it. Because it typifies the spirit which prevails among many people of wealth and employers—a spirit which should prevail among all men who have achieved success, in dealing with their employes—we are publishing this little story.

Born in 1845, Mr. Levering and his twin brother, Joshua Levering, entered business life in 1861. Five years later they were partners in the firm of E. Levering & Co., established by their father. It was but a few years until this firm became one of the great sugar and coffee importing houses of the country, with an extensive branch establishment in South America. In 1878, to Mr. Levering's great surprise, he was elected president of the National Bank of Commerce and when in 1921 that bank merged with the Merchants National Bank he became Chairman of the Board of the latter institution then, as it had been for many years, the largest national bank in Baltimore. During all of this long life of active work he and his brother, Joshua Levering, have been intimately identified, not only in their business operations, but in every good work for the benefit of the community.

They have led in many religious activities. They are known

far and wide as two of the outstanding Baptist laymen of the country. Though born in 1845, they are still hale and hearty and are taking as deep an interest in religious and philanthropic and educational work as they did in earlier life.

The spirit with which Mr. Eugene Levering presented to the employes of the bank the announcement that each one would receive a certain amount of stock of the First National Bank as a gift from him in expression of his interest in their welfare is suggestive of the spirit he and his brother have thrown into all the business and religious activities of their lives. Fortunate, indeed, is Baltimore in having had two such great business leaders and financiers, setting such an example for the people of the community and for those with whom they have come in contact in their far-reaching business and religious work. They have both been vigorous workers for prohibition and Mr. Joshua Levering in 1896 was nominated by the Prohibition Party as its candidate for President of the United States.

### Government Cotton Acreage Estimate.

Cotton acreage of 46,695,000 acres in the United States is estimated by the Department of Agriculture as under cultivation at the opening of July, this being an increase of 11.4 per cent over the same date in 1927. The stand of cotton is reported to be 6 per cent less than a year ago.

For the Southern States, the acreage as of July 1, this year, is given as 46,129,000 acres, as compared with 41,512,000 last year, the totals for all cotton States being as follows:

	July 1, 1927	July 1, 1928
Virginia .....	65,000	84,000
North Carolina .....	1,749,000	1,871,000
South Carolina .....	2,454,000	2,577,000
Georgia .....	3,501,000	3,956,000
Florida .....	67,000	100,000
Missouri .....	305,000	390,000
Tennessee .....	985,000	1,133,000
Alabama .....	3,214,000	3,471,000
Mississippi .....	3,408,000	3,783,000
Louisiana .....	1,585,000	1,886,000
Texas .....	16,850,000	18,366,000
Oklahoma .....	4,187,000	4,899,000
Arkansas .....	3,142,000	3,613,000
New Mexico .....	100,000	114,000
Arizona .....	140,000	200,000
California .....	130,000	223,000
All other .....	23,000	29,000
United States total .....	41,905,000	46,695,000

Under "All Other States" are included: Illinois, 2500 in 1927 and 4000 in 1928; Kansas, 1400 in 1927 and 1600 in 1928; Kentucky, 19,000 in 1927 and 23,000 this year.

### Construction Resumed on \$1,000,000 Hotel.

Birmingham, Ala.—Construction has been resumed on the Thomas Jefferson Hotel here being erected at a cost of more than \$1,000,000. The property was recently purchased by the Thomas Jefferson Hotel Holding Company under bankruptcy proceedings, stockholders of the company being the stockholders of the Union Realty Company. Its officers include Henry H. Cobb, president; J. T. Doster, vice-president, and Hunter M. Smith, secretary-treasurer. D. O. Whildin is the architect for the building and the Foster & Creighton Company, general contractor, both of Birmingham. The Pate Company has contract for plumbing and the Mill & Mine Supply Company for electrical work. The hotel has been leased to the Baker Hotel Corporation, Dallas, Tex.

### Seek Site for \$800,000 Marine Hospital.

Galveston, Tex.—Bids will be opened July 26 in the office of the Supervising Architect, Treasury Department, Washington, D. C., for a site in this city for an \$800,000 marine hospital. An initial appropriation of \$100,000 has been made by Congress to purchase a tract of six to eight acres and to begin construction of the building.



## Adjusting the Calendar to Modern Needs.

By M. B. FOLSOM, Assistant to the Chairman, Eastman Kodak Company.

Equalization of the months of the year is being strongly urged as an economic and social necessity long overlooked. The proposal is of decided importance to business executives. The movement for calendar improvement is sponsored by George Eastman, Rochester, New York, as a contribution to public service and world progress.

The interest of the Government has been enlisted and the National Committee on Calendar Simplification has been formed. The representatives of Departments especially concerned, namely, Agriculture, Commerce, Treasury, Navy (on account of Nautical Almanac), Interior and Labor, form the governmental section of the Committee. Dr. Fred. E. Wright will represent the National Academy of Sciences, the official advisor to the Government in scientific affairs. The non-Government section is made up of George Eastman (chairman); Albert H. Harris, Chairman, Executive Committee, New York Central Railroad; Gerard Swope, President, General Electric Company; George F. Roberts, Vice-President, National City Bank, New York City; Haley Fiske, President, Metropolitan Life Insurance Company; Benjamin F. Affleck, President, Universal Portland Cement Co., Chicago; William Green, President, American Federation of Labor; David Lawrence, President, Consolidated Press Association; Mrs. John D. Sherman, General Federation of Women's Clubs; Dr. Valeria H. Parker, President, National Council of Women; Mary Roberts Rinehart.

A number of organizations, including the Chamber of Commerce of the United States and the American Bar Association, the Canadian Manufacturers' Association, the Controllers' Congress of the National Retail Dry Goods Association, have special committees studying the calendar question in its different aspects.

The trouble with the present calendar may be briefly stated thus:

The months are not equal in length.

The month is not a multiple of the week; each month (except February) consists of weeks and fractions of a week.

The names of the days change with each succeeding year.

A supplementary defect is that the dates of Easter and other church holidays are not fixed, but vary through a range of 35 days.

The effects of the defects noted are especially felt in modern business operation. Comparisons of records for production, sales, factory burden, etc., are incorrect and misleading unless the months or the years compared are examined for numbers of workdays, occurrence of holidays, etc., and proper adjustments made to have the day values correspond.

As reliable statistics are demanded in present business practice, many concerns already have instituted the system of dividing the year into 13 accounting periods in order to obtain correct data. This method has worked with complete satisfaction, according to their testimony.

The Rome (N. Y.) Brass Company states:

"After nearly ten years experience it is our opinion that the advantages of the 13-period year far outweigh the disadvantages, and we have no idea of going back to the old system of the calendar month."

The plan proposed for simplifying the calendar is readily understood:

There are to be thirteen months of 28 days each. The additional month, to be known, provisionally at least, as "Sol," will come between the present June and July.

The 365th day (thirteen months of 28 days making a total of 364) will be dated December 29, and will be known as Year-day, constituting an international holiday or Extra Sabbath.

In leap years the extra day will be dated June 29, instead

of February 29, as now, and this will be an Extra Sabbath.

By this arrangement every year, every month, every week will begin on Sunday forever. The Extra Sabbath will make possible the harmonizing of present Sabbath and Sunday observance of different religious faiths. The Extra Sabbath principle is found in the calendar established by Moses 3400 years ago and long since forgotten.

Summarized, the advantages of the 13-months-to-the-year calendar are:

All months will be equal.

The day of the week indicates the monthly date.

Each week-day recurs on its four fixed monthly dates.

Four weeks to each month harmonizes weekly and monthly accounts.

Pay-days recur on same monthly dates.

Periods of earning and spending coincide.

Each holiday occurs on its same week-day.

Four-week month obviates month-end adjustments.

Much clerical work is eliminated in accounting and statistics.

Reckoning of lapse of time, calculations for interest, etc., are simplified.

Thirteen monthly settlements mean faster turnover, same volume, less capital.

Easter comes on a fixed date, benefiting churches and industries.

There is a saving in printing calendars and referring to them.

Household accounting, family and social affairs are simplified.

Holidays are placed on Monday.

The chief argument against the proposed calendar is that the number 13 is not divisible and that the quarters of the year will not contain an equal number of months.

In answer to this it may be said that the quarters would each contain 13 weeks; in this country and most other countries, the number of quarterly transactions is relatively very small when compared with the number of monthly transactions.

There are no political, religious or industrial controversies involved in the calendar question. The only reason for clinging to the imperfect system which Julius Caesar introduced in 46 B. C., and Pope Gregory corrected in 1582 A. D., has been indifference to change and lack of information on the calendar subject.

To present-day intelligence the calendar issue presents itself as an economic necessity; throughout the commercial and industrial world it is recognized and emphasized as demanding international action.

### \$300,000 for Two Florida Cold Storage Plants.

St. Petersburg, Fla.—The St. Petersburg Cold Storage Company awarded contract to the J. Paul Jones Company, St. Petersburg, for the construction of plants at St. Petersburg and Clearwater, at a total cost of \$300,000. The former will be 100 by 122 feet, 4 stories, and the latter, 50 by 100 feet, one story, with a large pre-cooling plant for cars. Elliott B. Hadley, St. Petersburg, is the architect and C. C. Whittaker, Atlanta, construction engineer.

### Buys Power Site on Ocklawaha River, Florida.

The Florida Power Corporation, St. Petersburg, advises that it has purchased lands and dam site on the Ocklawaha River in Marion County, Florida, for a hydro-electric project, but that its plans are not definite enough for publication.

## INDUSTRIAL AND BUILDING ACTIVITY IN SOUTH CONTINUES AT HIGH LEVEL.

### Over 41,900 Construction News Items Published in First Half of 1928.

The continuation of industrial expansion and building activity at record-breaking levels is indicated by the publication in the construction columns of the MANUFACTURERS RECORD during the first six months of 1928 of 41,954 items covering every phase of development in the sixteen Southern States from Maryland to Texas. During the corresponding period of the preceding year 41,180 such items were published.

The brief reports have included 5737 items on road and street projects, compared with 5111 such items for the first half of 1927. Bridge, culvert and viaduct items published January to June, inclusive, number 1951, compared with 1484 notices regarding such work published in the first six months of last year. A total of 7688 items were published covering these two closely allied classes of construction in the first six months of this year.

Next in numerical importance to road and street work are items on the construction of dwellings. Since 1921 there has been a great volume of dwelling construction undertaken each year. In the first half of this year a total of 3464 items were published, representing dwelling construction, compared with 3306 notices covering similar work in the first half of 1927. Owing to space limitation, notices regarding individual dwelling projects, costing under \$10,000 are not published, and the number of dwellings that cost \$10,000 or more is small compared with the number that cost less than that amount. Thus, the figures in the summary herewith show that in the South great numbers of costly dwellings are being erected.

In practically every section of the South, miscellaneous enterprises in wide variety are under way, and the development of such projects is represented by 2715 items published in the first half of this year.

The varied scope of development activities in the Southern states is definitely shown by the summary herewith. School building construction is represented by 2037 items; hotel and apartment construction by 1590 items; stores by 1233 notices; church building by 1040 announcements, and the construction of bank and office buildings by 507 individual reports. Land development projects are represented by 1307 items, and public garages and filling stations by 1076 notices. Municipal improvements are keeping pace with building and industrial expansion, as shown by the publication in the first six months of this year of items as follows: Sewer construction, 841;

water works improvements, 930; city and county building projects, 557; and government and state building projects, 240.

	Totals for April	Totals for May	Totals for June	Totals for Jan. to June (Inc.)
<b>INDUSTRIAL DEVELOPMENT</b>				
Airplane Plants, Stations, etc.....	46	43	41	273
Bridges, Culverts, Viaducts.....	287	397	330	1,951
Canning Plants .....	15	17	11	78
Clayworking Plants .....	8	11	8	57
Coal Mines and Coke Ovens.....	6	8	8	61
Concrete and Cement Plants.....	14	11	5	53
Cotton Compresses and Gins.....	23	40	42	181
Cottonseed Oil .....	3	2	5	19
Drainage, Dredging and Irrigation..	20	18	17	129
Electric Light and Power.....	107	107	98	700
Fertilizer Plants .....	1	7	6	23
Flour, Feed and Meal Mills.....	13	5	7	59
Foundry and Machine Plants.....	14	18	22	108
Gas and Oil Developments.....	146	146	138	901
Ice and Cold Storage.....	45	36	38	279
Iron and Steel Plants.....	9	7	5	43
Land Developments .....	176	223	191	1,307
Lumber Enterprises .....	35	54	51	262
Metal Working Plants.....	1	...	1	16
Mining .....	15	10	18	108
Miscellaneous Construction .....	42	33	33	242
Miscellaneous Enterprises .....	337	358	319	2,715
Motor Bus Lines and Terminals....	29	27	20	158
Motor Cars, Garages, Filling Stations	174	204	145	1,076
Railway and Street Railways.....	15	23	21	95
Railway Shops and Terminals.....	4	12	10	48
Road and Street Construction.....	977	1,308	1,002	5,737
Sewer Construction .....	141	166	138	841
Shipbuilding Plants .....	1	...	2	4
Telephone Systems .....	21	11	24	155
Textile Mills .....	75	98	70	538
Water Works .....	150	161	152	930
Woodworking Plants .....	27	24	21	163
	<b>2,977</b>	<b>3,585</b>	<b>2,999</b>	<b>19,310</b>
<b>BUILDING</b>				
Association and Fraternal.....	34	48	28	250
Bank and Offices.....	80	105	68	507
Churches .....	157	217	140	1,040
City and County.....	87	112	79	557
Dwellings .....	602	679	580	3,464
Government and State.....	39	51	34	240
Hospitals, Sanitariums, etc.....	68	77	62	420
Hotels .....	274	333	246	1,590
Miscellaneous .....	72	76	51	394
Railway Stations, Sheds, etc.....	6	18	6	66
Schools .....	293	475	421	2,037
Stores .....	209	224	225	1,233
Theaters .....	40	34	23	200
Warehouses .....	41	46	26	230
	<b>2,002</b>	<b>2,495</b>	<b>1,989</b>	<b>12,228</b>
<b>FINANCIAL</b>				
Bond Issues Proposed.....	309	357	280	1,942
Bond Issues Sold.....	93	125	96	608
Building and Loan Associations....	6	5	4	47
New Financial Corporations.....	47	60	38	398
	<b>455</b>	<b>547</b>	<b>427</b>	<b>2,995</b>
<b>Want Section .....</b>	<b>1,010</b>	<b>1,425</b>	<b>792</b>	<b>6,492</b>
<b>Total .....</b>	<b>6,534</b>	<b>8,052</b>	<b>6,207</b>	<b>41,025</b>
<b>Fire Damage .....</b>	<b>104</b>	<b>119</b>	<b>97</b>	<b>929</b>
	<b>6,638</b>	<b>8,171</b>	<b>6,304</b>	<b>41,954</b>

### Two Medical Arts Buildings for Beaumont.

Beaumont, Tex.—The construction of two medical arts buildings here to cost about \$1,550,000 has been announced. Hamilton W. Ellis, leasing agent for a Dallas company, states that local capital will finance a 10-story building at Pearl and Milam streets, to cost \$750,000, and that Flint & Broad, Dallas, are preparing plans. The building will be 125 by 285 feet, the three upper floors to be used as the first unit of a denominational hospital. Additional space for the hospital will be provided, in the event it is needed. A clinic, rest rooms, assembly rooms and office suites of various types will be provided, while the ground floor will contain a drug store and other shops. An incinerator for the use of physicians in the building will be installed. A garage and emergency entrance will be provided.

Plans have been announced by W. Crane Biddle, Houston, for the erection of a 12-story medical arts building at Fannin and Park streets, to cost \$800,000. Tentative plans, being prepared by Emory S. White, Houston architect, call for 100

double offices. Four floors will be used for general hospital work and the 12th floor will contain 7 operating rooms. A garage will be provided in the basement, which will also contain a swimming pool. Five elevators will be installed.

### 590-Mile Pipe Line to Be Built by Texas Company.

The Texas Pipe Line Company, Houston, controlled by the Texas Company, New York, advises that it plans to build a trunk pipe line from the major oil producing pools of Winkler, Crane, Upton and Pecos counties, via San Marcos, Lockhart and Houston to Port Arthur, requiring approximately 120 miles of 10-inch pipe and 470 miles of 12-inch pipe. A sufficient number of pumping stations will be built to provide an initial capacity of 35,000 barrels daily. Further details of the project will not be determined until surveys have been completed. It is understood that a contract has been awarded to the Youngstown Sheet and Tube Company, of Youngstown, Ohio, for 65,000 tons of pipe.



## Water Resources of Virginia.

By F. H. NEWELL, President, and A. B. McDANIEL, Secretary-Treasurer, The Research Service, Inc., Washington, D. C.

The water resources of a State are not easily reduced to figures. Water, while the most important of all minerals and usually in excess of needs, is continually fluctuating in quantity. It is of little use to say that during flood so many million horsepower may be had from the flowing water. The number of days of high water during the year are so few that it would not pay to construct machinery to utilize the total flood flow. If we go to the other extreme and consider only low water, developments limited to this quantity would be little short of ridiculous.

We are, therefore, forced to take some intermediate position. Most naturally, this is to consider the ordinary flow; that is, the amount to be had during 50 per cent of the time. On this basis Virginia is estimated to have possibilities of 812,000 horsepower. If we take a more conservative view and plan power machinery which can be operated with water available for 90 per cent of the time, then the amount shrinks to about 460,000 horsepower. The amount of waterpower now developed in Virginia is approximately 138,000 horsepower, mostly in public utility and municipal plants.

About a century ago a canal was built along Virginia's principal waterway, the James River. Later a railroad was put on the tow path of the canal. Thus, although a considerable number of dams have been placed across the James, few of them are so located as to be available for large-scale power development. The various tributaries of the James River may be used to a limited extent; storage dams may be built; it is possible to work out a broad plan of development. The same is true of other rivers of the State. The unpublished results of studies made in the summer of 1927 indicate large possibilities of water conservation and utilization. Detail surveys made by power companies offer encouragement in some cases, enough to justify further research.

As to whether any one locality can be used effectively to develop power depends upon many conditions, some of which can be ascertained easily; others require a large investment. It is not a difficult matter to measure the fall or slope of the stream. Maps and drawings can be quickly made showing the capacity of proposed reservoir sites and the size of dams necessary to store water. It is also possible to ascertain with a reasonable degree of accuracy the cost of the property which may be flooded or destroyed. The question of foundations, however, is generally a more difficult matter.

To determine the conditions under ground necessitates the digging of pits down to and into the firm bedrock. If this is located far beneath the surface, deep holes or wells must be drilled, these being located up and down and across the stream, covering a sufficient area to make known the depth and character of bedrock. Where this has been distributed, folded or fissured, or in the case of limestone dissolved out in caverns, then the cost of this underground work mounts rapidly. One company has spent on an apparently favorable dam site over \$100,000 in explorations; yet the engineers are not thoroughly satisfied as to the results.

The human obstacles to waterpower development are perhaps more dilatory and exasperating than the purely physical ones. The difficulties arising from natural causes can usually be measured or weighed; those coming from imperfect laws, customs or habit of mind are less easily made known. They are often too vague and intangible, so nearly impossible to predict that the engineer and investor are apt to turn down a proposition otherwise attractive.

The State laws governing the development and use of water resources are the outgrowth, not of modern needs, but of those of former generations before labor-saving machines

were devised. The underlying assumption is that each and every stream should continue to flow on its way to the sea unchanged in quantity and quality. Each riparian owner is entitled to use the water as it flows along or across his land, provided he does not interfere with uses above or below.

In theory this assumption is fine, but in practice impossible. Every industrial plant and municipality along a stream takes out some water and usually returns it in a polluted condition. This does not necessarily interfere with waterpower development, but in order to develop such power it is necessary to hold back or store some of the water during certain hours or days. By so doing the behavior of the river is changed. The stream bed below the dam may be left dry, possibly for days. Later the channel may be filled to overflowing.

Each riparian owner has the right to claim damages for these changes, though often trivial. Moreover, if the waters thus released from the power plants in their course down the river change the navigable conditions, even though these may be little used, the United States in its control over navigable streams, may interpose an objection. The man who would put these idle waters to use is confronted with indefinite and vexatious demands. It would seem natural and easy for the legislature to recognize the larger needs of the citizens and to prepare a revision or certification of the laws governing water in such way as to smooth out some of these difficulties. The tendency, however, of legislatures has been to go to one extreme or the other; either to ignore the needs of keeping laws abreast of the times or to get an exaggerated view and see in the potential waterpower a source of income to the State. The law makers may proceed to impose restrictions or taxes of such character as will add to rather than take away the difficulties.

In the continually increasing rivalry between the inventors working on steam electric machinery and those concerned with hydro-electric, the former are steadily gaining the advantage. There was a time when three or four pounds of coal were needed to develop a kwh. of electricity. Now, with improved machinery, less than a pound of coal is required. In the earlier days the hydro-electric machinery could produce electricity at a less cost. Now it is questionable. If, therefore, a hydro-electric project is burdened with additional charges, then under this new handicap its development becomes a doubtful economic problem.

Thus it is with Virginia. The tendency has been to let things drift, not to take the trouble to plan ahead or provide for more complete industrial development. Under this policy many small independent companies supplying electric energy have been built and later brought together. At present, three large organizations furnish electric power for about 90 per cent of the consumers in Virginia. The field of operations of each of these large aggregations is now fairly well outlined, at least to a degree where it is doubtful whether any considerable development of waterpower will be made unless as subsidiary to one of these great organizations.

The reason why few if any of the waterpower possibilities of the State may not be put to use is the fact that the power thus obtained does not have its full value unless interconnected with some large system which obtains power from many other sources. The diversity of demands, the uncertainty of continuous supply from any one waterpower renders it uneconomical and unwise to make large investment in that one locality and with a view to supplying a limited number of consumers. Even in the case of a single large mill or industrial establishment it will hardly pay under

present conditions to build a waterpower plant, because the river may be low at a time when the mill may need a large supply of power to fill orders. Such a mill naturally makes connection with one of the larger companies supplying power from many sources, so that in time of emergency it will be sure of obtaining an ample supply. On the other hand, the large power company, resulting from the linking together of many smaller organizations, may find it highly desirable to develop this waterpower. Standing alone, it is economically of little value; joined with other sources it may have large value, particularly in what is now known as peak pulling.

Each day and each season there is a short time when most of the consumers need power at the same instant, creating a peak demand. The more diversified the uses and the wider the territory covered, the less abrupt this peak may be. To supply it every source of power may be called upon. Extra steam boilers must be kept heated to supply more steam for a few hours. This greatly reduces the efficiency of the steam plant. If at that time we could call upon stored electricity these extra heat units would not be needed. Electricity cannot be stored in large quantities economically, but water can be stored and can be made almost immediately available for producing power. The flood or excess waters of a river, which under ordinary conditions would not be worth storing, may be held back by a suitable dam for a few days or hours and then used to take care of the peak load with resulting economy in other parts of the generating system.

Here arises an entirely new condition of affairs, one not anticipated by the statesmen or law makers of the past and not made easy by custom and court decisions. It thus results that potential water resources whose use might be of large direct and indirect value to the people of the State are necessarily held out of use largely because of the difficulties interposed, not only by natural obstacles, but more than this by the fact that existing laws and customs render the best ideal developments economically unsound.

### Co-Operative Marketing.

Emphasizing the development of large-scale co-operative marketing and purchasing associations in the United States in recent years, Chris L. Christensen, chief, Division of Co-operative Marketing, United States Department of Agriculture, says that there are now approximately 150 co-operative associations, each of which does an annual business of upward of \$1,000,000. He declared that at one time, contracts with more than 650,000 farmers were involved, but that some of these associations have ceased to function and others "have modified their plans and philosophy in keeping with accumulated experience."

"The hope of co-operation for the future," Mr. Christensen said, "depends on how well we train our people in its principles and practices. Many farmers who have passed the prime of life will find it difficult to accept this new philosophy of living, and this unfamiliar method of doing business. Our greatest progress will perhaps come from educating the younger generation in the principles and practices of co-operation, and it is to this task that our farm leaders and our educators should bend their united efforts at this time."

### Ceramic Meeting and Exposition.

Plans have been completed for a national celebration of American Ceramic Week, in connection with the annual convention of the American Ceramic Society at Chicago, February 4 to 9 next. A feature will be the American Ceramic Exposition with an elaborate showing of ceramic wares, including colored enamel ware, tiled rooms, stoves, refrigerators, sanitary ware, table glassware, vita glass and so on; also, an exhibit of machinery, equipment and raw materials.

### \$5,000,000 KRAFT PAPER MILL FOR MOBILE.

#### International Paper Company to Have 200,000-Acre Timber Supply.

Mobile, Ala.—A campaign sponsored by the Mobile Chamber of Commerce for raising \$100,000 to bring a kraft mill to Mobile has been successfully completed and it is understood that ground will soon be broken for the plant. The mill will be erected, it is reported, by the International Paper Company, New York, and will have a producing capacity of 170 tons of paper daily, employing approximately 500 men and women. It will be built and operated under the supervision of R. J. Cullen, vice-president of the company, who is regarded as one of the leading construction and operating engineers in the industry. It will represent an investment of about \$5,000,000.

The company is said to have options on 500,000 acres of timber lands and from these options or other sources will purchase 200,000 acres for supplying the plant. This acreage, it is said, will raise more timber than will be required by the plant, thus assuring a perpetual supply. It is expected that the mill will bring 3500 new residents to Mobile and that its annual payroll for labor will amount to more than \$1,000,000.

#### Work Begins on \$6,500,000 Port and Terminal Project.

Dredging recently started on a 30-foot channel in San Jacinto Bay to connect the main line of the Houston ship channel with proposed terminals to be constructed on the main land at La Porte, Tex., near Houston, by Captain C. A. Barbour and associates, at an ultimate expenditure of \$15,000,000. The channel will be about two miles long, dredging contract having been awarded to the Standard Dredging Company, Galveston. This work, with the construction of the first units of a system of docks, wharves, warehouses, cotton compresses and other facilities, will involve an initial expenditure of \$6,500,000, it is said.

A fill or dyke on the north side of the proposed channel, to be made by dredging, will be about 6000 feet long of varying widths and will reclaim 140 acres for additional terminal sites, which will be leased by the Barbour interests to enterprises requiring deep-water frontage. The entire area of the fill, it is said, will be about 18 feet above tidewater. On the extreme west end of the Barbour holdings, railway concentration yards will be established with a maximum capacity of 4000 cars. Tracks will be so constructed that cars may be easily shifted to the mainland wharves or to the terminals on the fill.

#### Let Sub-Contracts for University Field House.

Foreman & Putnam, Marietta, Ohio, general contractors for the erection of a field house at Morgantown, W. Va., for the University of West Virginia, have awarded the following major sub-contracts:

**Brick and tile**—Morgantown Brick Company, Morgantown.  
**Glass and glazing**—Pittsburgh Plate Glass Company, Pittsburgh, Pa.  
**Ornamental iron**—Lamer-Brocke Steel & Wire Works, Inc., Johnstown, Pa.  
**Limestone**—Perry Stone Company, Ellettsville, Ind.  
**Reinforcing steel**—Kalman Steel Company, Pittsburgh.  
**Steel sash**—David Lupton's Sons Company, Pittsburgh.  
**Structural steel**—McClintic-Marshall Company, Pittsburgh.

The building will be 267 by 121 feet with two wings, 57 by 35 feet, having a clear height on the playing room floor of 37 feet. It will be of steel frame construction with concrete foundation, face brick walls on the exterior and salt-glazed brick, Kittanning brick and vitritile facing on the interior. The roof will consist of a wood deck on steel purlins and composition built-up roof over the decking. Showers and dressing rooms will be on the first and second wing floors.



## The Florida Gasoline and Tax Question.

Westerly, R. I., July 5.

*Editor Manufacturers Record:*

The phenomenal development of Florida and the enormous increase in population culminated in 1925 in what is known as the Florida "boom," in which the demand for Florida real estate was exaggerated and forestalled to the extent of two or three years, but Florida is now ready to develop and increase more rapidly than ever before.

With its advantages Florida should increase in population until there are as many people per square mile in the most desirable parts of Florida as there are in Bermuda, which has no land tax at all, and people have moved to Bermuda and lived in Bermuda until the population per square mile is 876, while that of Florida is only 23 to the square mile.

In a recent article in the MANUFACTURERS RECORD I advocated a law or amendment to the constitution which would apply a portion of the gasoline tax to the relief of the taxation upon real estate in Florida, which is now preventing the employment of thousands of contractors, mechanics and laborers in erecting homes for the occupancy of Northern people.

I have recently read some alleged objections to such a measure, which seem to me so unimportant that they ought to be promptly set aside. Among others, the question is raised whether the apportionment of the gasoline tax to the counties for roads and bridges should be upon the basis of assessed valuation, of consumption of gasoline, or of bonded indebtedness. The answer to this question seems to me so obvious that it would seem as though the question can only be asked for the purpose of confusing the casual reader and of obscuring the issue.

It is obvious that it should not be upon the assessed valuation because the assessed valuations are very unequal in the different counties. Second, it certainly should not be upon the basis of the amount of county bonds because that might be paying for injudicious bonding and putting a premium on extravagant management.

In short, it should be merely a return to each county in proportion to the gasoline tax collected in that county. Then again, it has been said that the purpose of this proposition is for "bolstering Florida county bond issues." That is not at all the purpose for which I advocate such a measure. It might incidentally benefit and strengthen county bond issues, but the purpose is much more important. The real purpose is to relieve real estate from two-thirds of its present rate of taxation, so that thousands of homes will immediately be erected in Florida, furnishing accommodations within the next few years for millions of people, and employment for tens of thousands of contractors, mechanics and laborers.

Objection is made that such a measure would be unconstitutional. The constitution is badly in need of amendments which will effectually prevent future waste of county money by excessive bonding. The constitution needs such provisions as other states have, which will hereafter prevent excessive bonding in counties, cities and bonding districts; and with this amendment, ought there not also to be an amendment which will permit the use of the gasoline tax to pay for the roads that are being used and worn by the people who pay the gasoline tax, so that Florida can compete on somewhere near even terms with Bermuda, which has no land tax at all?

If you remove two-thirds of the land tax now existing in Florida, the great advantages of Florida will offset the remainder of the handicap and encourage millions of people to make their homes in Florida five months of the year, or, in many cases, the year round.

HENRY C. ROWE.

## \$2,000,000 Texas City Terminal Improvements.

Outlining details for the improvement of its terminals at Texas City, Tex., at a reported expenditure of approximately \$2,000,000, the Texas City Terminal Railway Company states that its grain elevator improvements, for which the James Stewart Corporation, Chicago, is engineer and contractor, will involve the construction of a grain conveyor gallery from the headhouse of the elevator to the berth at the shipside, 900 feet long and sufficiently wide to provide for four belts 42 inches wide. A leg of 25,000 bushels capacity will be provided

and two other legs enlarged, which will require a general remodeling of the entire house, including the changing of rope drives to direct drives.

A contract has been awarded to John Jacobson, Texas City, for constructing foundations for warehouse "B" and for building the dock proper, all material in connection with the foundation work having been purchased by the Texas City Terminal Railway Company. The warehouse will be two stories, 1160 feet long and 120 feet wide, and the dock apron 23 feet wide and 1200 feet long, both of reinforced concrete construction.

Bids will be invited in about 30 days for the construction of the warehouse superstructure.

## \$1,500,000 Caddo Parish Courthouse.

Erected at a cost of approximately \$1,500,000, the new Caddo Parish courthouse at Shreveport, La., recently dedicated, is regarded as one of the most beautiful buildings of its type in the South. The design is based on a modern conception of the Italian Renaissance, conceived and executed by Edward Neild, architect of Shreveport. Three elements enter into the construction, the first a broad base or pediment, which forms the main part of the building; the second, a recessed tier of three stories surmounting the pediment and



THE NEW COURTHOUSE AT SHREVEPORT.

fronted by Corinthian columns, and the third an apex of two stories, also recessed, terminating in a wall surrounding a promenade atop the building.

The exterior is chiefly of Indiana limestone, with simple ornamentation. The building occupies a city block with approaches from two streets emphasized by wide steps through massive bronze doorways. Walls of the foyer are 23 feet high, constructed of marble; floors are in alternate squares of pink and gray Tennessee marble with a border of black Belgian marble. Corridors of the first six stories are finished in marble and the treatment of ceilings throughout the building is in keeping with the architectural scheme. A marble-lined stairway leads from the foyer to the second floor.

The two upper floors are devoted to the parish jail, entirely separate from the rest of the building and inaccessible except by means of a private elevator which connects with the basement where prisoners are brought in. Cells are of tool-proof steel, opened and closed by a lever-control box system, and provided with hot and cold water. The basement provides space for heating and elevator machinery, National Guard unit and storage. The parish morgue is also located in the basement, as well as a garage for the use of parish officials. General construction contract was executed by the Glossell-Wilson Company, Inc., of Shreveport.

## Reconciling Flood Control Plans.

By THOMAS EWING DABNEY, New Orleans, La.

Great work is under way on flood control of the Mississippi. Major General Edgar Jadwin, chief of United States Army Engineers; Brigadier General Thomas H. Jackson, president of the Mississippi River Commission, and Carleton W. Sturtevant, civilian engineer, New York, who compose the Flood Control Board, have been studying in detail the ground on both sides of the river from Mississippi to New Orleans for the past three weeks. Their purpose has been to analyze the flood control plans of the United States engineers and of the Mississippi River Commission, the former calling for an expenditure of \$296,400,000 and the latter of \$407,000,000, and from this study to evolve a plan that will combine the best points of both.

Nominally, the party is traveling by the steamboat Mississippi. Actually, it has been traveling by automobile, ox-cart and afoot. Three weeks have been occupied from St. Louis to New Orleans, the time having been necessitated by side trips over the land on both sides of the river, for miles into the interior; in studying levee conditions; in considering locations for floodways; in getting the lay of the land and the feel of the people firmly in their minds. To these engineers, the thousand or so miles of river bottom between St. Louis and New Orleans are only a parcel of ground that must be surveyed and they are running over every inch of it as thoroughly as if it were just the building site in a subdivision. Two hundred and 300 miles a day by automobile have not been uncommon with them.

On one day they went through the Bayou des Glaisses section; on the next, they ran over the Melville and Simmsport territory; on another, they went over the Morgan City region. There is not much they have not seen in the river-bottom lands between St. Louis and New Orleans. At Cape Girardeau, at Cairo, at New Madrid and in the St. Francis bottoms, the board made the same detailed study that it has in the lower-river points mentioned.

The new plan has not yet been developed. The board will not attack it until after the groundwork preparation has ended. When it does tackle the job, the board will put it through in rapid order. The entire undertaking seems to be moving with great rapidity. Brigadier General Jackson says he believes that the spillway at New Orleans, at Bonnet Carre, will be in operation by the spring of 1930. The surveyors have been on that job for several weeks.

The two plans, which the Flood Control Board is reconciling, are similar in the following respects: Both call for a floodway above New Orleans at Bonnet Carre; both call for floodways in the Atchafalaya and the Boeuf basins; both raise and strengthen existing levees moderately; both prescribe about the same amounts of revetment, dredging and mapping.

The Mississippi River Commission recommends a smaller floodway in the Atchafalaya basin and contemplates removing the levees entirely at the head of the floodway. It proposes a narrower floodway in the Boeuf basin, near Morgan City. It proposes no floodway protection in the Cairo section. It contemplates raising the levees an average of 1.7 feet, while the Jadwin plan contemplates raising them an average of 3 feet. The Jadwin plan, likewise, includes only the alluvial valley of the Mississippi; it makes no provision for the section above Cape Girardeau.

In reconciling these two proposals into the final plan, the Flood Control Board has the theoretical super-flood in view—the flood it does not believe will ever happen, but which is possible.

Forsyth County, North Carolina, voted a \$250,000 bond issue for the erection of a new tuberculosis hospital.

## \$42,000,000 Insurance Firm Bought by St. Louis Company.

St. Louis, Mo.—A controlling interest in the Farmers National Life Insurance Company of Chicago, Ill., an old line company with \$42,000,000 of insurance in force, has been acquired by the Insurance Investment Corporation, St. Louis. This deal, it is said, will give the purchasing company total assets of \$12,000,000, an increase of \$4,000,000 over present assets. Three other companies are under the control or joint control of the Insurance Investment Corporation, including the Agricultural Life Insurance Company of Michigan, the Federal Reserve Life Insurance Company of Kansas City, Kan., and the Security Mortgage Corporation of Detroit, Mich. Total insurance in force by these three companies amounts to \$90,000,000.

## Government Crop Report.

The crop reporting board of the Department of Agriculture makes the following forecasts and estimates for the United States, from reports and data furnished by crop correspondents, field statisticians, and co-operating State boards or departments of agriculture and agricultural colleges:

Crop	Acreage, 1928		Condition		
	Per cent of 1927	Acres	July 1, 10-yr. av.	July 1, 1927.	July 1, 1928.
Corn	103.6	102,380,000	82.6	69.9	78.1
Winter wheat	95.2	*36,125,000	77.5	75.0	75.0
Durum wheat, four States	116.6	6,147,000	†80.4	89.6	76.2
Other spring wheat, United States	100.2	15,478,000	†82.6	89.8	71.7
All wheat	98.5	57,750,000	79.2	79.2	74.3
Oats	99.9	41,974,000	81.0	79.9	79.9
Barley	129.5	12,243,000	82.9	84.2	81.3
Rye	95.8	*3,535,000	82.2	89.7	66.7
Flaxseed	97.4	2,831,000	82.5	86.3	76.8
Rice	94.2	925,000	88.9	90.9	86.2
Sorgo for sirup	99.0	382,000	82.7	...	70.0
Sugar cane (La.)	171.4	180,000	80.2	89.0	80.0
Sugar beets	92.7	699,000	85.4	85.6	89.1
Potatoes, white	109.2	3,842,000	85.8	84.9	84.8
Sweet potatoes	91.9	856,000	83.5	82.9	77.0
Tobacco	117.8	1,856,600	79.3	73.6	74.1
Broom corn	115.6	252,000	79.1	69.9	78.5
Beans, dry edible	107.2	1,735,000	85.4	82.1	76.3
Soy beans	101.6	2,309,000	†82.5	78.8	80.5
Cowpeas	97.8	2,410,000	†76.8	77.6	73.8
Velvet beans	...	...	†76.8	75.6	78.0
Peanuts	105.1	1,185,000	81.9	77.3	77.6
Hay, all tame	95.6	58,631,000	†79.5	89.9	76.7
Hay, wild	...	...	†79.7	93.2	71.3
Pasture	...	...	85.9	92.8	84.4

Crop	Total production in millions		Yield per acre—Indicated by	
	Harvested 1927	Indicated by condition July 1, 1928	Harvested 1927	condition July 1, 1928
Corn, bu.	2,774	2,736	28.1	26.7
Winter wheat, bu.	553	544	14.6	15.1
Durum wheat, 4 States bu.	76	74	14.4	12.0
Other spring wheat, United States, bu.	243	183	15.7	11.8
All wheat, bu.	873	800	14.9	13.9
Oats, bu.	1,184	1,320	28.2	31.5
Barley, bu.	264	303	28.0	24.8
Rye, bu.	58.8	39.3	15.9	11.1
Flaxseed, bu.	26.6	21.5	9.1	7.6
Rice, bu.	40.1	35.4	40.9	38.4
Sugar beets, tons	7.75	6.76	10.8	10.7
Potatoes, white, bu.	407	444	115.7	115.5
Sweet potatoes, bu.	93.9	75.3	100.9	87.9
Tobacco, lbs.	1,196	1,312	759	707
Broomcorn, \$ tons	††35.7	††42.0	††327	††333
Beans, dry, edible \$ bu.	16.9	16.6	10.4	9.6
Peanuts, lbs.	807	803	715	678
Hay, all tame, tons	106.5	84.4	1.74	1.44

\*Acres remaining for harvest. †Five-year average, 1923-1927. ‡All spring wheat. §Principal producing States. ¶Four-year average, 1924-27. ||Interpreted from condition reports. Indicated production increases or decreases with changing conditions during the season. ††Thousands of tons. ‡‡Pounds per acre.

The amount of wheat remaining on farms in the United States on July 1, 1928, is estimated at 2.69 per cent of the crop of 1927, or about 23,450,000 bushels, as compared with 27,215,000 bushels on July 1, 1927, and 28,884,000 bushels, the average of stocks of wheat on July 1 for the five years 1923-1927.



### **\$2,250,000 Chevrolet Plant at Kansas City Let to Contract.**

General contract for the big assembly plant to be erected at Kansas City, Mo., by the Chevrolet Motor Company, of Detroit, a subsidiary of the General Motors Corporation, at a cost of approximately \$2,250,000, has been awarded to the Patti Construction Company, Kansas City, according to Albert Kahn, Inc., Detroit, architect. Structural steel contract, said to involve about 2600 tons, has been awarded to the Kansas City Structural Steel Company, at approximately \$500,000.

With the exception of the office building, all units of the plant will be one story, of monitor type roof construction, in order to provide maximum light for workmen. Nearly half of the assembly building will be occupied by the Fisher Body Corporation for manufacturing bodies for all Chevrolet closed cars. The assembly plant will occupy a ground area 300 by 762 feet and the body plant an area 170 by 762 feet. In addition to these units, others include a service parts unit, 120 by 280 feet; driveway shed, 40 by 221 feet; loading dock, 40 by 262 feet; office, 42 by 208 feet, and power house 46 by 70 feet, 32 feet high.

The buildings will have a total floor space of 410,000 square feet and will be equipped for a capacity of 350 cars daily, to serve western Missouri, Kansas, North and South Dakota, Wyoming and Colorado. The plant will employ 1500 workmen on a daily payroll of more than \$9000, and will be under the management of Edward Shaw, at present general superintendent of the Chevrolet plant at Flint, Mich. It will occupy a site of 28 acres in the Leeds district.

### **Bids Soon on \$4,000,000 Dallas Water System.**

Dallas, Tex.—Bids will be received August 10 by the City Commission for the construction of \$4,000,000 worth of improvements to the Dallas water system, according to Mayor R. E. Burt and Water Commissioner S. E. Moss. The work will include a new filtration plant to cost \$1,200,000, central pumping station to cost \$800,000 and a new distribution system to cost \$2,000,000. Plans have been approved by Fuller & McClintock, consulting engineers, New York, and it is understood that David Morey, Jr., local consulting engineer employed by the city; J. R. John and J. B. Winder, chief engineer of the water department, with Colonel Moss and Mayor Burt, are working out final details.

The present expenditure will complete a waterworks improvement program begun under the Blaylock administration, which included the construction of Lake Dallas, a 70,000,000-gallon reservoir in Denton County, costing \$4,000,000. Only \$2,000,000 of the \$4,000,000 authorized in the Ulrickson program election have been issued, but contracts covering the entire work will be awarded in August. Bonds already issued are expected to carry the work for the next 18 months and the remaining bonds will be sold in the meantime.

### **\$750,000 Medical Arts Building Announced for Knoxville.**

Knoxville, Tenn.—Plans have been announced by J. P. Stanton & Company, local realtors, for the erection of a 13-story medical arts building at Main avenue and Locust street, and a 3-story garage in connection with the structure to have a storage capacity of more than 200 cars. The combined project will cost about \$750,000 and it is understood that half this amount is available. The building will be erected by the Medical Arts Building Corporation, whose charter will provide for the employment of \$300,000 of local capital and a bonded indebtedness of \$450,000. The structure will be of Gothic architecture, of reinforced concrete, with entrances from both streets and will contain a spacious lobby, drug

store and other facilities on the first floor. The main building and garage will be L-shaped, with a frontage of 70 feet and depth of 103 feet. The garage will have a frontage on Locust street of 109 feet and a depth of 145 feet. Manley & Young, Knoxville, are the architects.

### **35,000-Ton Ship to Be Built at Newport News.**

Newport News, Va.—An order has been placed with the Newport News Shipbuilding & Dry Dock Company for the construction of a new ship for the International Mercantile Marine Company, of New York, P. A. S. Franklin, president. The vessel will be 612 feet long, of 82-foot beam, and will have a displacement of 35,000 tons. It will be similar in many details to the Panama-Pacific liner California, now in service, and the Virginia, to be launched soon. With them she will operate between New York and California via Havana and the Panama Canal.

### **Seeking Petroleum From Coal.**

New York, July 11.—Walter C. Teagle, president of the Standard Oil Company of New Jersey, has become a member of the advisory board for the second international conference on bituminous coal to be held at the Carnegie Institute of Technology in the week of November 19. This acceptance by Mr. Teagle is considered by President Thomas S. Baker and his associates as "a significant indication of the increasing interest that the oil companies, particularly the Standard group, are showing in the bituminous coal as the source of motor spirits of the future."

About a year ago the I. G. Farben Industrie of Germany and the Standard Oil Company of New Jersey made a contract involving the utilization of a modified Bergius process for the production of gasoline, and later they agreed to establish an experimental station jointly in this country, for research to develop the process of manufacturing synthetic petroleum from coal.

### **Good Work by the Louisiana Chamber of Commerce.**

Louisiana Chamber of Commerce,

Baton Rouge, July 6.

*Editor Manufacturers Record:*

The article, "State and County Inventory of Resources Needed," appearing in the July 5 issue of the MANUFACTURERS RECORD, is of particular interest to the Louisiana Chamber of Commerce, as this organization is conducting a survey of the State—parish by parish—for the purpose of tabulating the resources, both natural and creative.

We are having the cooperation of the police jurors in the various wards of each parish, the Department of Conservation, through its Forestry and Mineral Divisions, and the Agricultural Department of Louisiana.

We feel that this is most necessary, and while the survey is being handled solely through voluntary methods, nevertheless it will be sufficiently complete to form the basis for future work, and in conjunction with a topographical and geological survey that we hope to have made in the not distant future. In fact, the movement is already under way, through the Mineral Division of the State Department of Conservation.

HERBERT BAYLISS, General Manager.

### **Low Bids on \$2,850,000 Levee Construction.**

Memphis, Tenn.—The following firms have been adjudged low bidders in the \$2,850,000 levee construction program planned for the first and second river commission districts and will be awarded contracts if satisfactory credentials are presented to Major F. B. Wilby, engineer in charge: J. L. Ward Construction Company, Cleveland, Ohio; Fred C. and George Morgan, Indianapolis; C. I. Jones, St. Louis; A. A.

Davis & Company, Kansas City, Mo.; Forcum-Jones Company, Dyersburg, Tenn.; William W. Roth, Hickman, Ky.; Charles C. Aderholdt, Memphis; G. C. Weathers, Jr., Greenville, Miss.; Pilkinton Brothers, Artesia, Miss.; Canal Construction Company, Memphis, and Henry T. Kaiser, Oakland, Cal.

About 6,000,000 cubic yards of levee work are involved, the construction to be shared by the West Cairo drainage district, Reelfoot levee district, lower St. Francis district, White River district and the upper Yazoo district. Funds for the work will be drawn from the annual appropriation of \$10,000,000 to the Mississippi River Commission and from a special allotment of \$24,000,000 provided by the Flood Control Act.

#### Contract Awarded on \$400,000 Church.

Columbia, Mo.—The Missouri Methodist Foundation, Prof. F. F. Stephens, member of the building committee, has awarded contract at \$219,200, to the Epple Construction Company, Ferguson, Mo., for the erection of the superstructure of a \$400,000 church here, for which the basement has been completed. The structure will contain an auditorium with balconies, chime tower and 4-story Sunday school building. Plans and specifications were prepared by H. M. King, architectural secretary of the Board of Extension of the Methodist Episcopal Church, South, Louisville, Ky.

#### May Build Oil Refinery on Gulf Coast.

Port Arthur, Tex.—A large oil refinery and extensive terminals will be constructed at Atreco on the Gulf coast by the Atlantic Refining Company, Philadelphia, according to reports here. Atreco will be the deep-water terminal of the 500-mile pipe line to be constructed by the Atlantic Pipe Line Company, a subsidiary of the Atlantic Refining Company, from its tank farm at Midland, Tex. This line, as recently announced, will have an initial capacity of 35,000 barrels daily and is expected to be ready for operation early in 1929.

#### \$25,000,000 Building Program at Oklahoma City.

Oklahoma City, Okla.—Oklahoma City continues on a big building program. Building permits for the month of June amounted to \$1,991,625, making a total for the year since January 1 of \$9,628,747. Oklahoma City's building permits for the year 1927 were \$16,238,714. The city's 1928 building program (including authorized municipal improvements) will exceed \$25,000,000. January's permits were \$1,100,495; February, \$1,349,402; March, \$1,318,496; April, \$1,537,755; May, \$2,330,974.

#### Virginia's Attractions Pictured.

Virginia's summer appeal to the tourist and vacationist, the Virginia State Chamber of Commerce pictorial magazine, "Virginia, First in the Heart of the Nation," is being distributed throughout the United States and Canada. The summer cover goes to Winchester, where one of the beautiful old gardens of Virginia is featured. A page of industrial pictures shows the rayon plant at Roanoke, and canning factories, chalk mines and construction work at Hopewell on the \$125,000,000 plant of the Atmospheric Nitrogen Corporation.

#### Baltimore National Insurance Company Incorporated.

The Baltimore National Insurance Company, with offices at Custom House avenue and Water street, Baltimore, has incorporated with an authorized capital stock of 20,000 shares, par value \$10, of which 10,000 shares are being offered by Weillepp-Bruton & Company, Baltimore, at \$17 per share. C. Brad-dock Jones, of Thompson & Jones, is president of the new company.

#### NINE CANNON MILLS IN BIG TEXTILE MERGER.

**Companies Capitalized at \$20,000,000—Operate  
More Than 430,000 Ring Spindles and  
Nearly 10,000 Looms.**

Concord, N. C.—The merger of nine textile mills in the Cannon group into a new company to be known as the Cannon Mills Company has been ratified at separate meetings of the stockholders here. The principal offices of the new organization will be maintained at Kannapolis, N. C., the mill units embraced in the merger including the Cannon Manufacturing Company and the Cabarrus Cotton Mills at Concord and Kannapolis; Franklin Cotton Mills, Inc., Gibson Manufacturing Company, Hobart Manufacturing Company and the Norcott Mills Company, all at Concord; the Patterson Manufacturing Company at China Grove, N. C.; the Kesler Manufacturing Company, Salisbury, N. C., and the Barringer Manufacturing Company at Rockwell, N. C.

Companies in the merger have a combined capital stock of approximately \$20,000,000, it is stated, operating a total of more than 430,000 ring spindles, and nearly 10,000 looms, for the production of cotton yarns and goods, towels, sheetings, rayon fabrics, madras, etc. Their towel production exceeds 600,000 daily and comprises from 60 to 70 per cent of their annual sales. This output is said to be more than 50 per cent of the cotton towel production in the United States.

The new company has acquired more than 95 per cent of the capital stock of the Cannon Mills, Inc., which is engaged exclusively in sales activities and has for many years sold the entire output of the Cannon companies, as well as the products of a number of other companies. An issue of 187,378 shares of common stock, without par value, of the Cannon Mills Company is being offered at \$48 per share through the National City Company of New York and Baltimore.

#### \$3,500,000 for New Apartment and Hotel for St. Louis.

St. Louis, Mo.—Plans are being prepared by Jesse L. Bowling and Isadore Shank, architects of this city, for a 25-story apartment building at Lindell boulevard and Euclid avenue, for William J. Abbott and associates, to be erected at a cost of \$2,500,000. The building will be of brick and steel construction and will be provided with a roof garden on two circular wings, swimming pool and golf course. It will contain 220 suites.

Contract has been awarded by W. J. Holbrook, president of the Holbrook-Blackwelder Real Estate and Trust Company, to the McKelvey-Carter Construction Company, St. Louis, for the erection of a \$1,000,000 hotel at 12th boulevard and Locust street. The building will be 16 stories and will contain 325 rooms. Manske & Bartling, St. Louis, are the architects.

#### West Texas and Oklahoma-Kansas Crude Oil Moving Through New Pipe Line.

West Texas crude and Oklahoma-Kansas crude are flowing through the completed pipe line of the Shell Pipe Line Co. from McCamey, in West Texas, to the Roxana Petroleum Corp. refineries at Wood River, Ill., and East Chicago, Ind., via Cushing, Okla.

Daily 40,000 barrels of West Texas oil is received at the mixing station, at Cushing, where a similar amount of Kansas-Oklahoma crude is mixed with it, and 65,000 barrels a day of



the mixed oil is pushed eastward. The additional mixed oil is stored at Cushing.

The 10-inch line from Cushing to St. Louis, 428 miles long, is being reconditioned. The McCamey-Cushing line is 481 miles long. It is understood that some time this year the company will start a new line from this project in Texas down to the Gulf Coast, where the Roxana has a big terminal and refinery site near Houston.

### Office and Garage Building for San Antonio.

San Antonio, Tex.—Plans are expected to be completed by September 1 for an 18-story office and garage building to be erected here by J. M. Nix, of this city. The structure will be L-shaped, 168 feet on Navarro street, 114 feet on College street and 136 feet on the River, of steel, brick and stone. Eight floors will be used for the garage and the remaining stories for offices. Henry T. Phelps, San Antonio, is the architect.

### Miami Entertains B. P. O. Elks.

Miami, July 14—[Special.]—Still another great convention has been successfully engineered in the South, in the great gathering here of the B. P. O. Elks in sixty-fourth annual session. Special trains from every section of the country brought from 150 to 200 visitors, each, and the convention attendance ran high into the thousands. Every preparation had been made to assure the comfort and pleasure of the visitors, and the convention was described by them as a great success. Plans were considered for creating an endowment fund of \$20,000,000, to supplement and assist the charitable enterprises of the local lodges and to assure their continued maintenance.

### Work to Begin on \$2,000,000 D. A. R. Building.

Work is expected to be started soon on the proposed \$2,000,000 Constitution Hall in Washington, by the National Board of management of the Daughters of the American Revolution, of which Mrs. Alfred J. Brosseau of Washington is president general. Plans for the structure have been prepared by the office of John Russell Pope of New York, and financing has been arranged by the organization. The building will contain, among other facilities, an auditorium to seat approximately 4000 and a large library. The Daughters have floated \$900,000 of bonds and have raised \$1,000,000 in cash through the efforts of the finance committee, of which Mrs. Russell William Magna of Holyoke, Mass., is chairman.

### \$3,000,000 COLD STORAGE PLANT UNDER WAY AT TAMPA.

#### Dock, Transit Shed, Packing Plant and Cold Storage Warehouse Comprise Huge Project.

Tampa, Fla.—Work is progressing rapidly on the \$3,000,000 cold storage plant here for the Tampa Union Terminal Company, which recently awarded general construction contract to the Parklap Construction Corporation of Florida, St. Petersburg. A sheet piling bulkhead is being constructed, dredging is under way, foundations are being poured for the packing house and a railroad switch has been completed. The city is laying a 10-inch water main down York street to the plant site and will soon award contract for paving this street. The following contracts have been awarded:

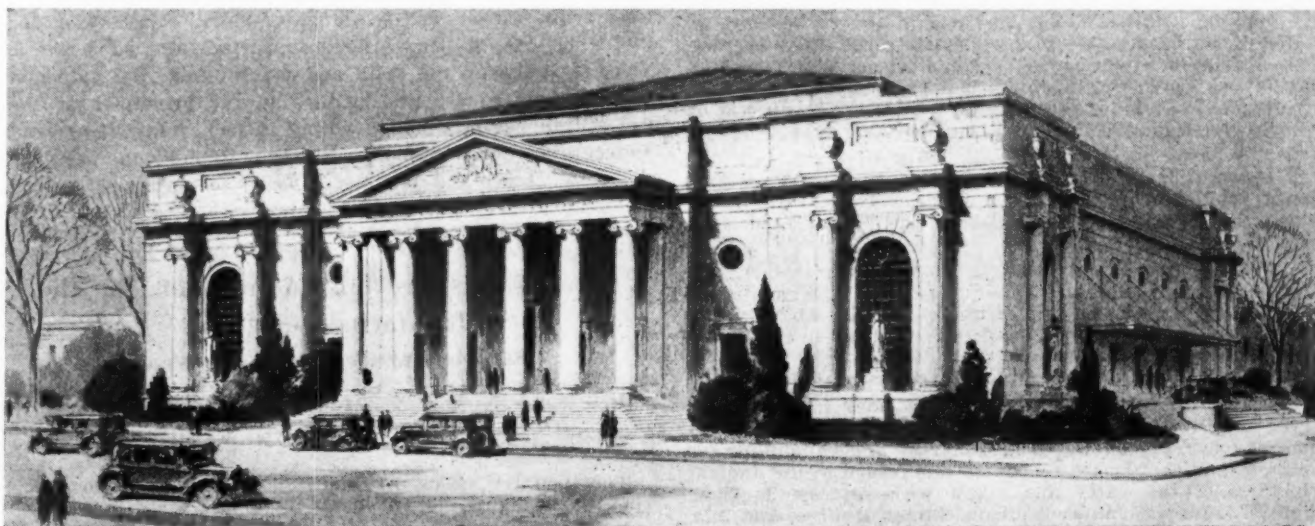
Cement—Alabama Portland Cement Company, Birmingham.  
Checks, badges and identification tags—Cruver Manufacturing Company, Chicago.  
Contractors' concrete plant—Blaw-Knox Company, Pittsburgh, Pa.  
Contractors' elevator equipment—Ransome Concrete Machinery Company, Dunellon, N. J.  
Dredging—Tampa Sand and Shell Company, Tampa.  
Elevators—American Elevator and Machinery Company, Louisville, Ky.  
Excavating and grading—Murphy & Henderson, Tampa.  
Glass and Glazing—Perry Paint and Glass Company, Tampa.  
Lumber—Roux-Askew Lumber Company, Bartow, Fla.  
Office equipment and supplies—Office Equipment Company, Tampa.  
Pile driving and bulk head—Tampa Sand and Shell Company.  
Reinforcing steel—Booker & Co., Inc., Tampa.  
Sand and gravel—Ocean Sand and Gravel Company, Tampa.  
Sheet steel piling—Sheet Piling, Inc., Tampa.  
Structural steel—Ingalls Iron Works Co., Birmingham, Ala.  
Test drilling—P. R. May, Tampa.

Cork insulation, refrigerating machinery and equipment, conveyors, packing house machinery, trucks, tractors and wharf and warehouse equipment have not been purchased and proposals will be received at once.

As previously announced, the project will involve a 620-foot dock, 31 feet wide; two-story transit shed, 355 by 100 feet; cold storage warehouse, 152 by 152 feet, 8 stories; packing house, 208 by 134 feet, and other facilities. Clyde Perry is president of the Tampa Union Terminal Company.

### Southern Brighton Mills Let Contract for Addition.

Shannon, Ga.—The Southern Brighton Mills have awarded contract to A. K. Adams & Company, Atlanta, for the erection of a mill addition and three warehouses, of brick and concrete construction, with concrete footings, cast iron columns, wood beams, tar and gravel roof. A sprinkler system will be installed. J. E. Sirrine & Company, Greenville, S. C., are the engineers.



CONSTITUTION HALL TO BE ERECTED IN WASHINGTON BY THE DAUGHTERS OF THE AMERICAN REVOLUTION.

## Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

### Why a Leading Texas Manufacturer Favors Hoover Over Smith.

The Texas Steel Co.

Fort Worth, Texas., July 6.

*Editor Manufacturers Record:*

There are no substantial differences in the principles of our two political parties, as shown in their recent platforms. Both alike declare for the enforcement of the Eighteenth Amendment, for a protective tariff, for restrictive immigration, for constructive farm legislation, for extensive internal improvements, and for the sovereignty of the state and against the centralization of power in the national government.

It is true there are minor differences between them, but substantially the two platforms declare for the same principles and policies. The Democratic platform proclaims that the party will make an "honest effort" to enforce the Eighteenth Amendment, and the Republican platform pledges the party to enforce it; the Democratic platform declares for a tariff that will protect "legitimate business and a high standard of wages" and that will cover the "actual difference between the cost of production at home and abroad," and the Republican platform for a tariff that will protect industry and the wages of labor. These and other differences of verbiage are of minor consequence; both platforms are intended to convey and do convey the same meaning upon all of these subjects.

This represents some important changes in the principles of the Democratic party as set forth in many of its former platforms. It means that the party has abandoned the un-American "League of Nations," and again stands for the Monroe Doctrine, that it no longer advocates America as the "asylum of the oppressed" of other countries, that it now favors the vast internal improvements that the progress and development of our country demand, and that it has abandoned its shibboleth of the "low cost of living" with its low prices and wages and now demands a protective tariff with high prices and wages.

As fundamental and important as all these changes are, our "right about face" regarding the tariff is the most significant and important. While the party in the early years of its history was committed to a protective tariff this was prior to the formation of the present Republican party and so long ago that we have been taught to believe that the heresies of "free trade," "tariff for revenue only," and "the cheap cost of living" were sound economic principles and a part of the warp and woof of Democracy.

The present tariff plank sounds like the platform declaration of 1832 upon which Andrew Jackson was elected in his second race for the presidency when the platform declared as follows:

"Resolved: That an adequate protection to American industry is indispensable to the prosperity of the country; and that an abandonment of the policy at this period would be attended with consequences ruinous to the best interest of the nation."

Andrew Jackson was a protectionist and this platform declaration represented his well matured views after having served as President for four years. It is high time that some of our representatives in Congress and candidates for Congress and the Senate recognize this return to the ancient principles of the party and stand with Andrew Jackson, Thomas Jefferson, James Madison, James Monroe, and Jno. H. Kirby upon this important issue.

If a protective tariff was "indispensable to the prosperity

of the country" and its "abandonment would be ruinous to the best interests of the nation" in Jackson's time, it is even more so today for there is now far greater disparity in the value of our money and the monies of many foreign countries, and in the standard of our wages and the wages of all foreign countries.

The average wage for the German skilled worker in iron, steel, coal, and other industries is \$1.30 per day, and of the French and Belgian and other continental countries from 98c per day to \$1.15 per day as against an average in this country of between \$6.00 and \$7.00 per day. The Continental Steel Cartel, which is composed of all the steel companies of Germany, France, Belgium, Luxemburg and Czecho Slovakia can deliver steel in Galveston and Houston with freight and duty paid at \$9.50 per ton; the freight alone from my plant to these ports is \$8.60 per ton.

The steel plants and other industrial plants of Germany, France, Belgium and other continental countries have been practically rebuilt since the war and they are of the latest and most economical design. With their cheap labor and transportation costs they can with profit deliver steel to this country with duty paid at less than the cost of manufacture of the average American plant. The mere statement of these facts is a conclusive argument that the present wage scale and our present degree of prosperity, which is largely dependent upon it, cannot be maintained without a higher protective tariff than we now have.

The chief differences between the two parties now is in their names and organizations, but there is a vast difference in their candidates. I had rather trust Hoover who believes in prohibition and that it can be enforced, to enforce it, than Smith who is opposed to it and believes that it cannot be enforced; I had rather trust Hoover of American lineage to enforce the immigration law than Smith, the son of an immigrant with his horde of foreign supporters; I had rather trust Hoover with his constructive mind and deep sympathy for the oppressed, to establish a plan of relief for the farmer, than Smith, the Tammany politician and sagem; I had rather trust Hoover and the Republican party who have always stood for tariff protection, to revise the tariff, than Smith and the Democratic party who are new converts.

GEO. W. ARMSTRONG.

### A North Carolina Republican Who Votes Locally for Democrats and Nationally for Republicans.

Fayetteville, N. C., July 10.

*Editor Manufacturers Record:*

I take off my hat to you for your masterly editorial on Al Smith, the nominee of the Democratic party, and predict that your editorial of July 5 will be of more service in telling the truth as to Smith and his platform than anything that has happened since the Houston convention. I trust to see many more such in your magazine which I read every week with pleasure. My daughter, Mrs. Pearl Colerider Pierce, is one of your ardent supporters and subscribers. You are sound on the tariff and many other vital subjects. I stand four square and believe in the principles of the Republican party, although voting in local affairs for many Democrats, but nationally for the Republican party. I voted for Hayes and Wheeler in 1876, so am an old patron and read both sides.

H. C. COLERIDER.

### Gone Is His Previous Admiration for the Manufacturers Record.

St. Tammany Chamber of Commerce,

Covington, La., July 6.

*Editor Manufacturers Record:*

In your narrowness and bigotry you are slinging a mighty pen.

This country needs Al Smith more than any man has been needed anytime anywhere.

My previous admiration for you is lost.

JOHN J. FOLEY, Secretary.



### Says Thousands Are Approving the Editorial "A New Declaration of Independence Needed."

Mallard's Department Store,

Atkinson, N. C., July 6.

#### Editor Manufacturers Record:

I have been reading your articles regarding Al Smith's fitness for the Presidency of the United States, and want to tell you I am with you on the way you see him. I thank you for the splendid way you have been trying to show us American people where we are at. When I received the last issue of the MANUFACTURERS RECORD and read the article, "A New Declaration of Independence Needed," I knew this was the milk in the coconut.

This county, Pender, in North Carolina, is a strong Democratic county, what you might call dyed-in-the-wool Democratic, but thank God I can safely say we will never swallow Al Smith, nor any other man of his type. We are Americans first and party last. When November 6 rolls around we will show our Democratic leaders, that have a yellow streak where their backbone should be, and are willing to sell out the Democratic party to foreigners for the sake of a piece of pie, that we have reached the crossroads; the party has left us and we are going to vote for Hoover and Curtis.

May God add His blessings to you for the noble fight you are putting up to save America for Americans. I hope you stay on the firing line; and you can bet there are thousands standing at your back.

A. K. MALLARD.

### A Gentle, Courteous Letter From One Who Seems No Longer to Love Us—Bully; Go to It, Brother.

Fort Worth, Texas, July 10.

#### Editor Manufacturers Record:

Several weeks ago when I directed that the MANUFACTURERS RECORD be sent to me, I was under the impression that this publication was a reliable, honest and worthy industrial and business organ, without an ulterior and biased complex.

I have been disillusioned. Since beginning to receive your RECORD I have noted on several occasions wholly unreliable, unfair and biased political effusions, culminating in your editorial diatribe against Governor Al Smith in your July 5 issue.

In this article, after the manner of the irresponsible political blatherskite, you indulge in gross misstatements, naked untruths, slander and calumny, affronting honesty, decency, intelligence and fair play.

We have a number of like cheap calumniators who are indigenous and inescapable; it would be folly to invite another of such ilk to add to our disgust and annoyance.

Further issues of your publication are not wanted and will be refused. Herein find pay for the issues received.

C. F. ROEHL.

### Wants Information About Hay Ties and Warns Democratic Leaders.

Randall Bros.

Marion Junction, Ala., July 7.

#### Editor Manufacturers Record:

I have read the last two MANUFACTURERS RECORDS with a great deal of pleasure and information. I note first that there are some contracting firms in America buying pipe in France at much less than it could be bought in America. There is a controversy and the pipe people are denying that pipe in America is about three times the price of pig iron. We wish to say that if we are correct in our calculation we are buying hay ties in car lots and basing the price of bale ties as per pound and per piece, we are paying about the rate mentioned, three times the price of pig iron.

Hay ties are costing about \$1.20 per bundle, weighing 39.6 pounds per bundle, and if pig iron is selling at \$17.50 per ton you can see that the iron is costing us about 3.77 times the price of pig iron. If those people are getting pipe in France at so very much less why could not the hay section of which we are in the heart be able to do likewise? We would hate to do this but self-preservation is the first law of nature. If such is the case could you place us in touch with some one that could give us information as to the feasibility of getting

hay ties from France in say 100,000 or 250,000 bundle lots?

I note that editorial on Al Smith. It's great and you are correct. The Democratic party is all right but some of the would-be leaders are against the best interests of America, and the people before November will rise up and smite again with great force that demon of liquor and the next time its head comes through the briars, thorns and bramble, they will likewise cut it off. Our Democratic party is reading in the primer, politically, if they think the people cannot see through the smoke screen being laid by the wets of America.

Liquor is gone I think and gone to stay. It is a great political scheme to get it back with a Solid South blindly voting for it, when the South is the home base of the real dry part of America.

May you write more and more great editorials.

W. S. RANDALL.

### Does Not Want to Be Dominated by Tammany.

Port Arthur, Texas, July 9.

#### Editor Manufacturers Record:

I have read with much interest your cover page article "A New Declaration of Independence Needed" and your editorial "Governor Smith Is His Own Platform." I agree with you concerning both articles, and heartily commend you for your stand. If more editors of our leading periodicals would denounce Governor Smith and his platform, as you have, a vast number of people would be awakened to the facts as they are.

In my own community I am sure the "hand picked" delegates do not represent the mass of the voting public. We are not yet ready to be trampled under foot by the brazen rule of Tammany Hall. With a large number of others I am going to stand for principles that are worthy of "Southern Gentlemen" regardless of party affiliation.

I shall read with continued interest any and all articles in the MANUFACTURERS RECORD that pertain to the great issue before us. I trust that it shall be your pleasure to keep the good work going.

W. O. BOWER, City Engineer.

### Mental Slavery Can No Longer Be Compelled by Political Leaders.

St. James M. E. Church, South,

Palatka, Fla., July 6.

#### Editor Manufacturers Record:

I write to thank you for that virile statement on the front page of the MANUFACTURERS RECORD anent Smith and the South. It is a most impressive and succinct way of saying a whole volume of truth.

The liquor people are doing all they can to force a Tammanyized, liquorized, product of the East Side upon us, and then compel us to vote for him. Paralyzed be my hand should it be used to mark a ballot for a Tammany ruled government!

I am sorry Mr. Daniels urges the South to support Smith when Daniels knows Smith is the enemy of what the South has fought for for 30 years, the closing of the saloons. Why should a man vote for one who is trying to destroy the thing that has cost time, money, blood and prayers? No member of a great corporation would vote to put an enemy of the business at the head of it. Yet this is what the so called "leaders" are asking us to do. Florida elected anti-Smith delegates to Houston by a majority of more than two to one. I assure you there is a most determined conviction that we shall defeat Smith in November by an equal majority.

The days of the inquisition are passed. The thinking citizen no more fears the guillotine. Thumbscrews are out of date. Putting men in prison for their honest conviction is mere history. Gibbeting men because they do not think as their leaders require has passed from among free people. Excommunication no longer makes a conscientious citizen tremble and cry for mercy. We have passed beyond that period when an arrogant leader can force us to follow his lead.

God bless you and make you more a blessing to American freemen!

W. J. CARPENTER, Pastor.

## IRON, STEEL AND METAL MARKET

### New Record for Six Months' Steel Production— Excellent Prospects for Second Half Year.

Pittsburgh, July 16—[Special.]—The steel trade has entered the second half of the year with better prospects than obtained in any recent year at this date. Production in the first half of this year made a new record by 3 per cent, and the seasonal decrease to July, which is a regular thing, proves much smaller than the average. Buying in June was unusually heavy for a June, as shown by the Steel Corporation's unfilled tonnage statement.

Previously the record half year in production was the first half of 1926, the first half of last year being lower by less than one per cent. From 1926 to 1928 there was a substantial decrease in steel consumption by the railroads and by the oil and gas fields, while there was a slight decrease in the automobile industry. When the total increased 3 per cent there must have been large increases in some other lines. There certainly was in agricultural implement manufacture, and fabricated structural steel has gained about 10 per cent.

All this makes a good augury for steel tonnage in the second half of the year. When a comparison is undertaken with the second half in other years the curious point arises that in steel production the second half of 1926 was the record high for a second half, while the second half of 1927 was next to the lowest in the last five years. The present half year has every promise of doing much better than the second half of last year and it has fair chances of making a new second half record.

The Steel Corporation's unfilled tonnage statement for June was a remarkable one. It may properly be said that in these modern times it is the regular thing for June to show a substantial loss in unfilled obligations, for that occurred in every one of the last five years except 1927, when there was the insignificant gain of 2305 tons. Last month's increase was 220,187 tons, following 455,311 tons decrease in May. The change, therefore, from one month to the next was 675,000 tons, and only about 150,000 tons of this was accounted for by decreased shipments, the remainder of 525,000 tons being in heavier bookings. Orders for about 100,000 tons of line pipe helped, there were slightly heavier bookings in fabricated structural steel than in June of other years, and there were unusually heavy bookings in tin plate. There was probably quite a third quarter contract tonnage in bars, shapes and plates, when the mills gave up their effort to secure a price advance for the period, renewals being on a basis of 1.85c Pittsburgh which has lately been the open market in these lines.

Fabricated structural steel lettings reported last week totaled 42,600 tons, making a fourth heavy week. The total since January 1 runs about 10 per cent above that in any other year.

Mills continue to complain somewhat and in a delicate way about prices not being very remunerative, considering the capital investment, but it requires no great amount of insight to recognize that they are not very serious about this, seeing that larger profits would as usual lead to increases in capacity, and in the last five years capacity has increased about twice as much as demand.

Wire products have now been formally marked down, plain wire and wire nails by \$2 a ton and barb wire by \$3, formal prices now being 2.40c for wire, \$2.55 for nails, 2.95c for painted barb wire and 3.20c for galvanized barb wire. In a general way the reduction represents taking off advances attempted early in the year, and those advances had never become fully effective as to the entire movement, old prices having been continued in the case of various large contracts. The \$44 price on wire rods has been dropped, \$42 being now

openly quoted. Late last year there were sales at \$40, but a year ago the market was \$42.

Other finished steel prices show no change and are holding fairly well. Pipe is very firm at the April 2 advance.

### Active Delivery of Pig Iron—Radiator Shop to Resume—Advance in Price of Cast Iron Pressure Pipe.

Birmingham, Ala., July 16—[Special.]—Deliveries of pig iron continue quite active with the small-lot orders a trifle more numerous. Resumption of operation of the radiator shop will bring about increased consumption of foundry iron and the speeding up of the cast iron pressure pipe output has had effect. Furnace interests, however, are still claiming market is uncertain because there is not a quantity of iron sold ahead. The month's probable make has been fairly well covered and some deliveries will extend into August. The quotation base of \$15.50 per ton, No. 2 foundry, will be held firm through this quarter, possibly through the remainder of the year. Those interests willing to make predictions intimate that improvement will set in after August 15 and that for several months there will be much activity.

Cast iron pressure pipe stock on yards here is being worked off well. There is still active operation in several of the centrifugal or mechanically-made pipe shops, in one or two instances day and night work is yet being done. While there is quite an unfilled tonnage as to pipe on hand there is no inclination apparent to buy iron against the entire needs, the requirements for a few weeks at the most being purchased. Machine shops and foundries report a little lagging again though some healthy casting of iron has recently been shipped from the district. Pipe prices are firmer, \$34 to \$35 for six-inch and over sizes, with all plants producing steadily. A number of specifications are still in sight and this trade will be good for some time.

In steel the Ensley works of the Tennessee Coal, Iron & Railroad Company have been lagging, the rail mill being down. At Fairfield the sheet and plate mill are active and other shapes are being produced fairly well. Fabricating shops of the district are operating steadily but are in need of more business. Local contracts are being filled. For instance, the Ingalls Iron Works Co., Inc., is now shipping the 2300 tons of structural steel for the paper mill at Tuscaloosa, 60 miles distant, where the Gulf States Paper Company is erecting a paper and bag mill. The Ingalls Company is also producing two airplane hangars, one 100 tons in weight and the other 60 tons, to be shipped to Orlando and Miami, Fla. The power tower contract of 3700 tons of steel reported last week will be shipped to Mount Holly, N. C., as well as 250 tons of structural steel for the same territory. The Reeves Bros. Co. have taken orders recently for considerable tonnage on tanks while other fabricators have structural and bridge work to look after which will keep them busy for a while.

No foundry pig iron is being added to the surplus stock and the tonnage being taken from the furnace yards is inconsequential. However, there is not so very much surplus foundry iron on hand. Production is being held steady. Basic iron stock is sufficient for all needs for some time to come. More than half the open hearth furnaces of the district are in operation. The Ensley works will be back in another fortnight and there will be need for various shapes of steel, though the rail production may be held down. Shipments of cotton ties have been steady.

Iron and steel manufacturers are still looking forward to an improved condition of trade by reason of new territory



reached by the Warrior river barge service operated by the government. Steps have been taken also looking to an indefinite postponement of the new tariff which would give other districts undue advantage on iron and steel products produced in this district, so far as shipment into the Southwest is concerned.

The coal mining industry is still slow, though in comparison with conditions in other districts is considered favorable. The coke market is fairly good with all by-product works in operation, though not being pushed for production. Foundry coke is holding the \$5 level. Independent coke producers have no surplus.

Iron and steel scrap is still quiet, so far as new business is concerned, but deliveries are good, dealers asserting they are due melters quite a little tonnage. Price list is unchanged, low and slow, yet designated as just nominal prices. Heavy melting steel holds at \$10.25 per ton to \$10.75, delivered. No. 1 cast, stove plate and heavy melting steel have been the more active of scrap for some time.

Pig iron and iron and steel scrap quotations follow:

#### PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$15.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.00; iron of 2.75 to 3.25 per cent silicon, \$16.50; iron of 3.25 to 3.75 per cent silicon, \$17.00; charcoal iron, f. o. b. furnace, \$29.00.

#### OLD MATERIAL.

Old steel axles .....	\$17.00 to \$17.50
Old iron axles .....	17.00 to 18.00
Old steel rails .....	11.50 to 12.00
Heavy melting steel .....	10.25 to 10.75
No. 1 cast .....	14.25 to 14.50
Stove plate .....	13.50 to 14.00
No. 1 railroad wrought .....	9.50 to 10.50
Old car wheels .....	12.00 to 13.00
Old tramcar wheels .....	12.50 to 13.50
Machine-shop turnings .....	8.00 to 9.00
Cast-iron borings .....	8.00 to 9.00
Cast-iron borings (chem.) .....	13.00 to 13.50

### Decline in Lead As Metals in General Show Seasonal Dullness—Copper and Zinc Statistics Favorable.

New York, July 16—[Special.]—The principal change in the metals situation over the past week was the official reduction by \$2 per ton in the price of lead to 6.20c per pound, New York, and 6.05c per pound, East St. Louis, the first change since May 29, on which date a rise took place by the same amount as the decline of the past week. The lead reduction was due to gradually falling prices in Great Britain which threatened the diverting of Mexican lead to this country instead of to Europe, its normal outlet.

The metals as a class were very dull and featureless but this was to be expected in view of the position on the calendar and the extremely hot weather, which drives purchasing officials to vacation pursuits. There is some difference of opinion as to when a revival in copper buying may be expected. Some think that business will drag until the middle of August but others are equally positive that within the next ten days a spirited demand will set in again, particularly from abroad because it is believed European consumers have neglected their August supplies so far.

A new low price for the year was made in antimony at London, which fell 15 shillings to £39 5s per ton, though prices have been steady in this country at 9½c per pound. Platinum has yielded \$2 per ounce in official quotations, the pure grade selling at \$76 to \$78 per ounce. Silver has been selling at around 59c per ounce instead of 60c, the figure of a week ago. Quicksilver advanced slightly at London on the news of a combination of Italian and Spanish producers to regulate production and sales over the next ten years. American prices have also tended higher, there having been a market appreciation by 50c per flask.

Declines of shares on the New York Stock Exchange at the

middle of the week, described by some as the most severe since 1914, apparently had no effect upon the metals, not even tin which is most highly influenced by the stock market performance. News from the steel industry is increasingly encouraging. That will affect several non-ferrous metals directly, such as tin for making tin plate and zinc for making galvanized sheets, and other major metals indirectly.

Statistics which have so far been issued for June have been favorable. The most striking figures pertained to copper. Surplus stocks of refined copper were 58,809 tons at the end of June as against 66,288 tons at the close of May and 96,360 tons at the close of June of last year. This shrinkage in a year's time is indeed striking. Surplus stocks are now about as low as at any time in the history of the copper industry. The trend in production followed in June that of May, there having been an increase, which indeed seems necessary in view of the continual drop in surplus stocks. Refined production in North and South America was 131,024 tons last month compared with 129,236 tons in May and 113,233 tons in June of last year.

Zinc statistics were conspicuously favorable, there having been a net decline of 4580 retorts during June, the largeness of the decline having been due to the action of the American Smelting & Refining Co. in abandoning its zinc operations at Henryetta, Okla., which turned out 2000 tons monthly. Surplus stocks of zinc were reduced 757 tons; output declined 2597 tons; shipments came down 1374 tons and exports were less by 1336 tons.

June figures for lead are not yet compiled but there is the indication that a slight gain in domestic production will be shown for the month.

Copper prices have been holding firm to 14¾c, delivered to the Connecticut Valley, and 15c c. i. f. European ports. Though domestic consumers have bought much for August delivery, European consumers have not. Export sales have been averaging 1000 tons daily. Probably 75 per cent of recent copper sales have been for July delivery. Electrolytic copper advanced 5 shillings on the London Metal Exchange on Wednesday, the first rise in several weeks, many considering this the forerunner of more active purchasing on the other side.

Further attention was called during the week to the trade association being organized in the lead industry. A tentative name has been chosen, the Lead Industries Association. This will probably embrace both producers and consumers and the purpose will be chiefly statistical. An important meeting is scheduled for this month to perfect plans.

Following the drop in the price of lead on Monday, buying became active, consumers probably having come to the conclusion that this would be the extent of the decline. The latter part of the week London quotations started rising again, strengthening the price situation.

Zinc prices are holding fast to 6.20c, East St. Louis, for slab zinc and \$40 per ton for zinc ore. Fifty mills in the tri-State district were closed last week. Ore production week before last was only 3500 tons, as against a normal of 10,000 tons, due to this regular midyear curtailment. Brisk demand for slab zinc has been awaited these many months and producers are unusually patient.

Tin has been selling around 46c per pound most of the week with no pronounced price trend. Consumers were more active purchasers than during the preceding week, yet sales were light, 750 tons representing the week's business.

A syndicate headed by Charles E. Lane of St. Louis, Mo., is having plans prepared by Manske & Bartling, of that city, for a 5-story, \$300,000 bus terminal and hotel to be erected on Olive street, near Eighteenth street, St. Louis, for the use of 12 transcontinental bus lines.

## NEW AND IMPROVED EQUIPMENT

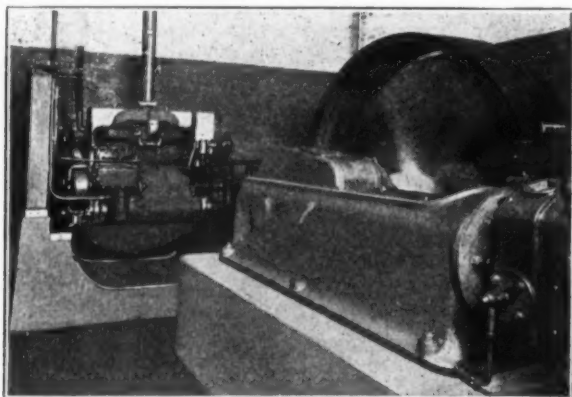
### Air Compressor Driven by High-Speed Diesel Engine.

An interesting application of Diesel power is shown in the accompanying illustration. It consists of a two-stage 16 by 10 by 14 inch air compressor of the horizontal type driven by a four-cylinder Buda-M.A.N. Diesel engine of 6 inch bore and 8 inch stroke operating at 950 r.p.m. A twin disc clutch is enclosed in a housing bolted directly to the flywheel enclosure, and the engine is connected to the compressor by means of a short belt and idler pulley.

The compressor delivers 400 cubic feet of air per minute against a pressure of 130 pounds per square inch, and the air is used to operate Harris air-lift pumps in a deep well, raising the water from a depth of approximately 167 feet and delivering it to a storage tank.

The engine is the full Diesel type, with a normal operating speed of 1000 r.p.m. and rated at 92 horsepower at that speed. The actual brake-horsepower load varies from 80 to 87 horsepower.

Fuel with a gravity of 28 to 30 degrees Baume is used, and is supplied from the storage tanks through a Niagara meter to a tank mounted on the engine-room wall. From the latter



VIEW OF COMPRESSOR AND ENGINE.

the fuel is fed to the injection pump on the engine by gravity, and a Zenith duplex filter is installed in the line to remove any foreign matter that may be in the fuel. Fuel is injected by the mechanical or solid-injection system, which is under control of the built-in governor, and the engine can also be controlled manually. Combustion is complete and efficient, as evidenced by the fact that fuel consumption ranges from 0.40 to 0.45 pounds per brake horsepower, and that smoke is absent from the exhaust under varying loads and speeds.

Lubrication is accomplished by means of a positive gear-driven pump of large capacity, a pressure of 45 pounds per square inch being maintained to all bearings, piston pins, and to the valve gear on each cylinder head. All moving parts are enclosed to promote cleanliness and lubricating oil economy, and a filter cleans all oil before it passes back into the engine. A lubricating oil reservoir fitted with gauge glass, settling tank and screen is mounted on the flywheel housing. The dry sump system is used to insure uniform lubrication under all conditions.

A small air-cooled, two-cylinder, opposed-type, gasoline engine is mounted on the flywheel housing and is used for starting duty. This engine is connected by a conventional type Bendix gear through a manually operated clutch and a short roller-chain drive. The Diesel starts with the same kind of fuel used for regular operation, and no compressor or preheating devices are required.

The Buda-M.A.N. Diesel engine is built under license and

patents of the M. A. N. Company of Augsburg, Germany, with whom Dr. Rudolph C. Diesel was associated until his death. The Buda-M.A.N. engine is of the same design adapted to American standards of measurement, and is manufactured by the Buda Company, Harvey, Ill., who have been building internal-combustion engines of the heavy-duty industrial type for nearly 20 years, and who are working in close co-operation with the M. A. N. Company.

### Paint Spray Gun Additions.

Two new features of the paint spray gun manufactured by the Alexander Milburn Company, Baltimore, Md., are thus described:

First, a dialed head which gives numerous different spray adjustments from a circular spray to a fan of a wider field than has heretofore been possible with spray guns. The dialing permits the operator to obtain any desired spray instantly without first making tests.

Second, a series of indicator numerals on the paint valve plunger. A pointer functions as the operator turns the adjustment button. Just as the dial in the head produces the exact spray wanted, so the indicator numerals on the paint valve plunger provide the exact volume desired without the necessity of losing time by testing. The operator, having found that a certain class of work is best performed when the indicator points to a certain figure, makes the proper adjustment before beginning to spray.

The new Milburn spray gun is known as the type EF; the new dialed air control valve and the plunger have been made interchangeable and the type E Can may be brought up-to-date by the insertion of these parts at the factory of the company.

### Automatic Headlights for Automobiles.

The Rice Manufacturing & Distributing Co., Laurel, Miss., is now producing the "Laurel Lite" for automobiles, the device being so arranged that the rays of the lights are automatically focused at all times in the direction the car is moving. It operates on Timken roller bearings in a shell-light housing filled with compression grease which is expected without further attention to last the life of the car. A connection from the lights hooks on to the steering rod, causing the lights to move in the same direction as the wheels. The device minimizes the danger of glaring lights, because a slight turn to the right when meeting another vehicle will focus the "Laurel Lite" out of the approaching driver's eyes and at the same time permit the driver of the machine so equipped to see clearly along the right side of the road.

### Southern Textile Exposition Plans

Greenville, S. C., July 14—[Special.]—"Never before in the history of industry have there been so many interesting and really marvelous exhibits announced for the Southern Textile Exposition," William G. Sirrine said in discussing the exposition to be held here October 15 to 20, inclusive. He added that no slump in the textile industry would have any appreciable effect on the exposition. "In fact," he said, "it should increase the interest, for textile plants are finding that by utilizing modern machinery, appliances and supplies which give more effective results, the plants show clearly an economy in operations."

It is necessary to build an addition to the hall this year in order to take care of the exhibitors, and the contract has been let to Flske-Carter Construction Company on plans by J. E. Sirrine & Co., engineers. A steel annex to the textile hall was completed last year.



# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.  
The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Airports, Airplane Plants, Etc.

Ala., Jacksonville—W. L. Greenleaf construct airport.

Fla., Orlando—Ingalls Iron Works Co., Birmingham, has contract to furnish 150 tons of struc. steel for airport hangar for city.

Md., Salisbury—Starlighters Corp., Chas. S. Bayer, Jr., 735 Sansom St., Philadelphia, Pa., started work on system of hangars, remodeling building for headquarters in connection with Hebron Airport on 235-acre site recently acquired 6 mi. west of Salisbury; install mechanical equipment; George A. Bounds, Hebron, Md., in charge of engineering and construction. 7-12

Mo., Kansas City—LaGrange Aircraft Co., incorporated; David L. Sheffrey, 1417 Commerce Bldg.

Mo., Kansas City—City votes Aug. 7 on \$1,000,000 bonds for municipal airport. See Financial News. 6-28

Okla., Henryetta—City plans \$25,000 airport; H. M. LaRue, Engr.

Okla., Mangum—City voted \$25,000 bonds for airport. See Financial News. 6-14

Okla., Oklahoma City—Red Bird Aircraft Corp., E. S. Keller, Pres., 1513 N. Fonshill St., acquired Wichita truck factory building, for establishing airplane plant; will move plant from Bern, Kan., to here.

Okla., Sulphur—City plans airport.

S. C., Charleston—Chamber of Commerce interested in establishing airport.

Tex., Amarillo—City will vote in August on \$100,000 bond issue for municipal airport. See Financial News. 6-28

Va., Petersburg—Dr. W. F. Drewry, City Mgr., interested in establishing airport.

### Bridges, Culverts and Viaducts

#### Proposed Construction

Ala., Demopolis—Alabama State Bridge Corp., Montgomery, will build toll bridge across Warrior River on Eutaw-Demopolis-Linden Highway, at Demopolis; completing location of 15 bridges, for which contracts will be awarded this year. 6-7

Ala., Selma—Maj. L. E. Lyon, Dist. Engr., Corps of Engineers, U. S. A., will hold public hearing July 25, on application of Alabama Bridge Corp., Montgomery, for approval of plans for fixed steel truss bridge over Alabama River, about 8 mi. from Monroeville, and same type bridge 6½ mi. southeast of Catherine, over Alabama River.

Ark., Little Rock—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., plans receiving bids for viaduct over tracks, between Lincoln Ave. and Cross St.

Ark., Mountain View—State Highway Dept., Little Rock, plans bridge across Hicks Creek, Highway 5; raise grade and bridge, Baker Branch, Highway 12, between Mountain View and Cotter.

D. C., Washington—National Capital Park and Planning Comm., approved design for proposed 1,740-ft. toll bridge below Great Falls; steel span deck type; 300-ft. central span, directly over gorge; twelve 120-ft spans to approaches; masonry piers, faced with natural rock; 30-ft. road for 3-lane traffic; sidewalks on both sides; Congress recently authorized construction by Great Falls Bridge Co.; probably start work this summer; Harry Seay, Pres., 3 Woodward Bldg., Fifteenth and Eighth Sts., N. W.; John Meigs, Engr., 1001 Chestnut St., Philadelphia, Pa.

Fla., Pensacola—Escambia County plans bridge over Perdido River to Lillian, Baldwin County, Ala.; Winston E. Wheat, County Engr. See Financial News.

Kentucky—State Highway Comm., Frankfort, plans purchasing 3 present toll bridges and build 6 bridges: Pulaski County—over Cumberland River, at Burnside; Henderson County—over Cumberland River, Spottsville; Livingston County—over Cumberland River, Smithland; over Tennessee River at Clarks River; Trigg-Marshall Counties—over Tennessee River, Eggers Ferry; Trigg County—over Cumberland River, Canton. See Financial News.

Ky., Hazard—State Highway Comm., Frankfort, may receive bids soon to re-build Woodland Park Bridge, washed out by flood.

Louisiana—Louisiana Highway Comm., Baton Rouge, receives bids July 31 for franchise to construct, operate and maintain 2 bridges: Across Mississippi River at or near Baton Rouge; across Red River at or near Coushatta; highway traffic or combination railroad and highway.

La., Baton Rouge—State Highway Comm., and State Bd. of Liquidation, plan 8 bridges: Ouachita Parish—over Ouachita River, Monroe; Red River Parish—over Red River, Coushatta; Avoyelles Parish—over Red River, Moncla; St. Mary Parish—over Atchafalaya River, Morgan City; Ouachita and Union Parishes—over Ouachita River, Sterlington; Catahoula and Concordia Parishes—over Black River, Jonesville; Catahoula Parish—over Ouachita River, Harrisonburg; St. Landry and Pointe Coupee Parishes—over Atchafalaya River, Melville; \$15,000,000. See Financial News.

Maryland—State Roads Comm., Baltimore, received low bids for 2 bridges in Prince Georges County: Double span steel and conc. girder bridge over Western Branch, on road, Upper Marlboro to Patuxent River. Southern Maryland Construction Co., 14 E. Lexington St., Baltimore, \$22,832; single span steel and conc. girder bridge, over Sligo Branch, Riggs road, between D. C. line and Ager road, M. Kelley, 1006 E. Lanvale St., Baltimore, \$7,292. 6-28

Maryland—State Roads Comm. receives bids for 2 bridges. See Roads, Streets, Paving.

Miss., Belzoni—Humphreys County Bd. of Suprs. granted franchise to C. M. Murphy, representing Humphreys-Washington County Bridge Co., to erect two toll bridges: At or near Schlater's Ferry; at or near Murphy's Ferry; awaiting approval of War Dept.

Miss., Corinth—Alcorn County plans bridges and culverts. See Roads, Streets, Paving.

Miss., Port Gibson—Clatborne County Bd. of Suprs. receives bids Aug. 6 for 2 steel bridges: Over Choctaw Creek, Dist. 4, Natchez-Jackson road; over Commissioner Creek, Dist. 3 Port Gibson-Jackson road; W. L. Allen, Clk.

Mo., Fredericktown—State Highway Comm., Jefferson City, plans receiving bids for bridge across Stout's Creek, Highway 70, Fredericktown, Madison County, to Ironton, Iron County; 120 ft. rein. conc. arch; \$19,499.

Mo., St. Louis—Bd. of Public Service receives bids July 31 for embankments for approaches of Arsenal St. viaduct.

Mo., St. Louis—Bd. of Public Service receives bids July 31 for 250-ft. rein. conc. viaduct over River Des Peres, Alabama Ave. \$125,000. 4-26

Mo., St. Louis—Bd. of Public Service has preliminary plans for rein. conc. viaduct over Union Station train shed, Clark Ave., Eighteenth to Twenty-first St., \$600,000; L. R. Bowen, Engr.

North Carolina—State Highway Comm. receives bids for 2 bridges. See Roads, Streets, Paving.

Okla., Tulsa—Tulsa County Commrs., appropriated \$200,000 toward bridge over Arkansas River, near Sand Springs; replace present structure.

Tenn., Celina—State Highway Dept., Nashville, applied for permit for bridge across Cumberland River, Celina, Clay County, about 500 ft. above steamboat landing; 40 ft. clearance extreme high water, 270 ft. between channel piers; Maj. Lewis H. Watkins, corps of engineers, representing War Dept.

Tenn., Knoxville—Lebby & Steel, Bridge Engrs., Knoxville, prepared preliminary design for conc. arch type Tennessee River Bridge at Henley St.; 1900 ft. long, four 300-ft. main arches, nine 50-ft. approach spans, 250-ft. retaining wall, Hill to Blount Ave.; connects with Maryville Pike; 70-ft. roadway, including 10-ft. curbing on each side; conc. floor, probably covered with sheet asphalt; cost \$1,000,000; city votes Aug. 2 on \$500,000 bonds; Knox County to furnish \$500,000; Otto Roehl, City Mgr. 6-14

Tex., Chandler—State Highway Comm., Austin, considering underpass on Cotton Belt Ry., near Chandler.

Tex., Edna—State Highway Comm., Austin, plans 3 bridges in Jackson County, across Lavaca, Navidad and Mustang Rivers.

Tex., Fort Worth—City, O. E. Carr, Mgr., receives bids Aug. 15 for \$350,000 conc. Nine-Mile Bridge, Lake Worth, 1000 ft. northeast of present structure; 70 ft. wide, 36 ft. roadway on Jacksboro Highway; Dudley Lewis, City Engr. 6-21

Tex., Palestine—See Roads, Streets, Paving.

Va., Portsmouth—War Dept., Washington, approved plans Norfolk County Roads & Bridges Comm., to reconstruct bridge over Indian River, near Oaklette, about 1 mi. from Eastern Branch of Elizabeth River.

W. Va., Hinton—City, Hume K. Nolan, Mgr., receives bids July 31 for struct. steel and rein. conc. bridge over Chesapeake and Ohio Ry., Hinton; J. E. Settle, Conslt. Engr., Charleston Natl. Bank Bldg., Charleston.

#### Contracts Awarded

Ark., Garland City—Virginia Bridge and Iron Co., Roanoke, has contract for 500 tons struct. shhpes. for bridge for St. Louis Southwestern Ry. Co., W. S. Hanley, Ch. Engr., Tyler, Tex.

Fla., Fort Myers—Lee County Commrs. let contract to Champion Bridge Co., Wilmington, Ohio, \$63,500, for 670-ft. conc. and steel bridge.

Fla., St. Augustine—St. Johns County Commrs., O. P. Goode, Clk., let contract to Barnett & Dobson, Palatka, for piling and capping on 450-ft. Deep Creek Bridge, 4 mi. south of Hastings. 7-5

Ky., Louisville—Louisville Bridge Comm., Wm. Black, Chmn., Todd Bldg., let contract to American Bridge Co., Pittsburgh, Pa., for 14,000 tons fabricated struct. steel for Ohio River Bridge between Louisville and Jeffersonville, Ind. 7-12

Miss., Biloxi—State Highway Comm., Jackson, let contract to Fuller Construction Co., Memphis, Tenn., \$737,051, for 1.47 mi. Biloxi Bay Bridge, Biloxi to Ocean Springs. 6-28

Mo., Cape Girardeau—Linus Penzel, Jackson, Mo., has contract, \$56,000, for viaduct over Frisco R. R., 3 mi. south of Cape Girardeau.

Virginia—See Roads, Streets, Paving.

Va., Portsmouth—Norfolk County Roads and Bridges Comm. let contract to C. B. Cross Co., Inc., Seaboard Bank Bldg., for Westhaven - Waterview and Indian River Bridges.

### Canning and Packing Plants

Fla., Clermont—Richardson-Marsh Corp., 22 Wall St., Orlando, will establish plant in building being erected by Const. Dept., Atlantic Coast Line, Jacksonville; Citrus Machinery Co., Dunnedin, has heating and power contract; Ocoee Electric Co., Ocoee, electric; all machinery purchased. 7-5

Fla., Davenport—Nafziger Electric Co. has electric contract for plant of Holly Fruit Products, Inc., Frank W. Crisp, V.-P.; plumbing not let; Emmett-Nicholson, Inc., Gen. Contr. 6-14

Fla., Titusville—Nevins Fruit Co., J. J. Parish, Pres., erect \$50,000 packing house for citrus fruit, 2 miles north of Titusville.

### Clayworking Plants

Ala., Tuscaloosa—Southern Cities Supply Corp., 63 Park Ave., New York, and Bankers Bond Bldg., Birmingham, acquired Bama Brick Co.; expend \$50,000 for improvements, increasing daily capacity from 15,000 to 60,000 face brick.

Mo., Fayette—Fayette Brick and Tile Co., increased capital, \$12,000 to \$30,000.

### Coal Mines and Coke Ovens

W. Va., Richlands—Richlands Coal Mine has acquired Costanza Coal Co.

### Cotton Compresses and Gins

Ark., Parkin—5-80 Gin Co., capital \$30,000, incorporated; W. A. Pryor.

Ky., Hickman—Hickman Ginning Co., V. A. Jones, Pres., will rent building and establish gin.

La., New Orleans—South Texas Compress Co. erect \$37,000 metal coated shed and office building on F and G Aves.; shed 260x344 ft.; Max Roitsch, Contr.

N. C., Lincolnton—Lincoln Gin Co. making extensive improvements to plant on N. Popular St.; will raze old structure and erect modern building, install additional machinery of most modern type.

Tex., Driscoll—Farm Bureau Gin Co., Robstown, plans \$40,000 cotton gin, 100-bale capacity, electrically driven.

Tex., Garland—Ferris Watson erect \$10,000 cotton seed, 100,000 bu. storage house adjoining Farmers Gin in North Garland; 70x170 ft.

Tex., Slaton—Texas Farm Bureau Gin Co. erect gin plant.

### Drainage, Dredging and Irrigation

Ala., Montgomery—U. S. Engr. Office receives bids Aug. 10 for dredging and building sand dykes in Chattahoochee River, Ga., and Alabama. See Want Section—Bids Asked.

Ark., Osceola—Bd. of Commrs. of Sub-Dist. No. of Grassy Lake and Tyroneza Drainage Dist. No. 9, Mississippi County, receives bids July 27 for drainage and flood protection work. See Want Section—Bids Asked. 6-28

S. C., Charleston—U. S. Dist. Engr. receives bids Aug. 8 for furnishing all labor and materials for dredging, deepening and widening Cooper River and Town Creek, Charleston Harbor; dredge 500,000 cu. yds.; project calls for channel of 30 ft. at low water and ample depth from bar to Goose Creek and for full length of Town Creek.

Tex., Corpus Christi—U. S. Engr. Office, Galveston, receives bids Aug. 15 for dredging channel between Aransas Pass and Corpus Christi. See Want Section—Bids Asked.

Tex., Mercedes—American Rio Grande Land and Irrigation Co. negotiating for sale of its irrigation system to land owners of district which it serves; system supplies Mercedes and Weslaco sections of Lower Rio Grande Valley with irrigation water.

Tex., Pharr—Pharr-San Juan Irrigation Dist. planning lining canals in district with conc.; cost about \$2,000,000; H. H. Kidder, Engr., San Juan; plans bond issue. See Financial News.

### Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Fla., Quincy—West Florida Power Co., St.

Petersburg, has franchise to supply city with light and power.

Ga., Abbeville—South Georgia Power Co., Albany, reported, acquired city water and light plant.

Ga., Cordele—Crisp County Power Comsn., J. J. Williams, Chrmn., probably award contract for \$1,250,000 Flint River power development, July 24th or later; upon receipt of Federal permit. 6-21

Ga., Glenville—Georgia Power Co., Atlanta, has franchise to furnish electric light and power to city.

Ga., Moultrie—Baker County Power Co., subsidiary of W. B. Foshay Co., Minneapolis, Minn., acquired municipal water and light plant of town of Norman Park near Moultrie.

Ga., Winder—Georgia Power Co., Atlanta, improve recently acquired city plant; enlarge transformer station, rehabilitate distribution system; open district office. 5-24

Ky., Paducah—Burns & McDonnell Engineering Co., 402 Interstate Bldg., Kansas City, Mo., completed survey for electric plant; survey calls for \$795,700 steam plant with ultimate capacity of 9000 kw.; includes turbine room, boiler room with three 500 h. p. boilers, and provisions to increase capacity to 3000 h. p., distribution system.

Ky., Sharpsburg—Kentucky Electric Development Co., 317 Breslin Bldg., Louisville, reported, acquired city electric plant.

La., Amite—Louisiana Power and Light Co., 2 Rector St., New York, rebuilding 22,000 volt line between Amite and Ponchartroula; cost \$40,000.

Md., Easton—Rotary Club interested in white way on Washington, Harrison, Dover, Goldsborough and Aurora Sts.

Okla., Stillwater—City, G. M. Thompson, Mayor, let contract to L. J. Jardt for addition to electric and water plant; 12x42 ft., brick, asbestos roof; Burnley Machinery Co., Liberty Natl. Bank Bldg., Oklahoma City, has equipment contract. See Want Section—Machinery and Supplies.

Okla., Waynoka—City plans white way system; cost \$25,000; E. A. Jones, Engr., Enid.

S. C., Ehrhardt—Ehrhardt Light and Power Co., incorporated; Vann Livingston, H. C. Crum.

Tenn., Cookeville—Putnam County Comms. call election Aug. 4 on \$100,000 bonds for enlargement and improvement of city's hydroelectric power plant at Burgess Falls. See Financial News.

Tenn., Sevierville—Sevierville Power & Light Co. construct brick and steel building; increase h. p. capacity; L. M. Dow, Engr.

Tenn., Springfield—City plans white way; cost \$25,000.

Texas—American Community Power Co., subsidiary of American Commonwealths Power Corp., Planters Bldg., St. Louis, Mo., has acquired all of common stock, except 100 shares, of General Public Utilities Co.; serving through operating subsidiaries 93 communities throughout States of Texas, New Mexico, Arizona, Louisiana, Nebraska and South Dakota, including city of Amarillo, Tex.

Tex., El Paso—Ware Co. low bidder at \$23,700 for reconstructing electric distribution system.

Tex., El Paso—Texas-Louisiana Power Co., Fort Worth Club Bldg., Fort Worth, reported, submitted proposal to construct and operate hydro-electric plant at projected Elephant Butte Dam in New Mexico to boards of directors of irrigation districts of upper Rio Grande Valley; El Paso Electric Co. to purchase developed power; districts to issue bonds to finance project.

Tex., Sacul—Texas Power and Light Co., Dallas, construct transmission line into Sacul.

Va., Snowden—Bedford rump and Paper Co., Bedford, has permit from Federal Power Comsn. and has started preliminary work on power development on James River, near Snowden, Amherst County; includes new dam to replace Cushwa dam, 6000 h. p. power house. 7-12

W. Va., Beckley—Middle States Power Co., 208 S. LaSalle St., Chicago, contemplates improving and expanding recently acquired property of Beckley Electric Light and Power Co. 7-12

### Foundry and Machine Plants

Md., Dundalk, Br. of Baltimore—Central

Foundry Co., W. Dingeldein, Supt., erecting plant addition for manufacture of cast iron and Universal pipe and fittings, general castings, etc.; 1 story, 40,000 sq. ft. floor space.

Mo., Springfield—L. J. Kent Boiler and Sheet Iron Works, 700 E. Brower St., will build \$25,000 plant, Central and Summit Sts.

### Gas and Oil Enterprises

Ala., Lomax—R. M. Howe and associates of Tuskegee plant distributing plant at Lomax; J. H. Favor, Tuskegee, will be local Mgr.

Ala., Montgomery—Interstate Oil Co., capital \$100,000, incorporated; J. M. Hobbie, 745 Felder Ave.

Ark., El Dorado—Commonwealth Oil Co., Inc., capital \$100,000, incorporated; Edward Shields, Byren Fike.

Fla., Fort Lauderdale—Fort Lauderdale Florida Gas Co. laying gas mains on Broward Blvd. from W. Seventh to 12 Ave.; S. E. Sixth St.; S. W. Seventh Ave.

Ga., Atlanta—Gate City Oil Co., incorporated; C. D. Campbell, 415 Linden Ave., N. E.

Ky., Owensboro—Jay O'Flynn, Federal High Service Station, 622 E. Fourth St., purchased site, erect bulk gasoline and oil station.

La., Baton Rouge—Baton Rouge Petroleum Co., capital \$75,000, incorporated; Chas. S. Guerchaux, 111 N. Front St., New Orleans.

La., Baton Rouge—Baton Rouge Electric Co. will extend natural gas mains to Bay, Birch and Walnut Sts., Northdale subdivision.

La., Ferriday—City, P. H. Corbett, Mayor, plans natural gas improvements.

La., New Orleans—West Pearl Oil Corp., capital \$36,000, incorporated; John J. Driscoll, 2430 Jasmine St.

La., Shreveport—Southern States Co., Inc., incorporated; H. C. Otis, 730 Slatery Blvd.

Okla., Page—Page Carbon Co. erect \$75,000 carbon plant.

La., Shreveport—Southern States Co., Inc., capital \$10,000, chartered; W. E. Hopper, 3451 Beverly Place; H. C. Otis.

Oklahoma—Transcontinental Oil Co., Ritz Bldg., Tulsa, offering \$12,000,000 first mortgage 10-year 6½% fund gold bonds through Stein Bros. & Boyce, Baltimore, and Gorrell & Co., Inc., Chicago; company is engaged in all phases of oil industry, gross crude oil production has averaged 12,003 bbls. per day from 373 wells, has well in excess of 300,000 bbls. per day in Yates Pool; company directly or through subsidiary corporations, owns or has interests in leases within United States aggregating 166,968 acres, and in addition owns interest in large acreage in Mexico, Colombia, S. A., and Roumania; has refineries at Bristow and Boynton, Okla., and Fort Worth, Tex., with combined daily capacity of 14,000 bbls. and are served by 668 mi. of pipe lines owned by company or subsidiaries, for shipment of products operates 1130 tank cars; cracking plants located at all refineries and completely equipped for manufacture of all grades of lubricating oil and wax, as well as gasoline, kerosene and fuel oil; has 14 casing-head gasoline plants; proceeds of issue to be applied to redemption and retirement of all of Company's funded debt totalling \$5,736,000, and to reduction of current indebtedness heretofore incurred in development of Company's properties, and to provide additional working capital.

Okla., Cushing—Cushing Refining & Gasoline Co., Box 728, erect 2 gasoline plants, one in Section 30, Township 7 North, Range 5 East, Pottawatomie County; other in Section 15, Township 7 North, Range 6 East, Seminole County; Superior Gas Engine Co., Springfield, Ohio, furnish gas engines and compressors and Grisco Russell Co., 285 Madison Ave., New York, furnish condensing equipment; install Newton absorbers, stills, heat exchangers and pre-heaters. 7-12

Okla., Okmulgee—B and B Drilling Co., capital \$25,000, incorporated; C. B. Bunte, 102½ W. Seventh St.

Okla., Tonkawa—L. A. O'Shaughnessy, St. Paul, Minn., Pres. of Globe Oil and Refining Co., Blackwell, reported, acquired Tonkawa Petroleum Corp.'s refinery recently damaged by fire.

Texas—Shell Pipe Line Co., reported, plans new line from McCamey, Tex., down to Gulf Coast, where Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., has big terminal and refinery site near Houston.

Tex., Ballinger—Simmons Jackson Oil Co., incorporated; J. M. Simmons, E. F. Jackson.



Tex., Beaumont—Yount-Lee Oil Co., San Jacinto Life Bldg., let contract to Reeves Bros. Co., Martin Bldg., Birmingham, Ala., for constructing 34 new tanks, Spindletop tank farm near Beaumont; four 80,000 bbl. tanks and thirty 55,000 bbl. tanks.

Tex., Big Spring—Big Spring Refining Co., capital \$75,000, incorporated; Leon Margules, R. S. Peterson.

Tex., Big Spring—Big Spring Pipe Line Co., capital \$40,000, incorporated; Joseph Edwards, C. E. Barker.

Tex., Caddo—C-B-F Oil Corp., capital \$100,000, incorporated; L. J. Brian, O. P. Coffin.

Tex., Houston—Magnolia Petroleum Co., Dallas, acquired 80 acres in south part of block 65 in Albercase field, Webb County.

Tex., Houston—Saxet Oil Co., incorporated; Sam R. Merrill, Post-Dispatch Bldg.

Tex., McCamey—West Texas Gas Co., Amarillo, making survey of McCamey and other towns located along Orient railroad with view to supply cities with natural gas service for fuel and heating purposes.

Tex., Pampa—Turkey Creek Oil Co., capital \$100,000, incorporated; L. V. Coulston, J. M. Dodson.

Va., Salem—Roanoke Gas Co., Roanoke, installing Duplex gas compressor, 10,000 ft. 4-in. and 30,000 ft. 2-in. steel welded mains; construction by company; compressor furnished by Ingersoll-Rand Co., Philadelphia. 6-28

Tex., Skidmore—Humble Oil & Refining Co., Houston, construct 20 miles of 12-in. line between Skidmore and Lytle Station on its West Texas-Ingleside line; when completed will give company double line from Lytle to Gulf Coast; increase capacity to 80,000 bbls. daily.

W. Va., Huntington—Westova Oil and Gas Co., incorporated; L. L. Wilson, Coal Exchange Bldg.

### Ice and Cold-Storage Plants

Fla., Clearwater—See St. Petersburg, Fla.

Fla., Orlando—Orange Service Co., M. J. Dunn, Pres., erecting ice plant with daily capacity of 20 tons.

Fla., Melbourne—Guerin Lumber Co., Inc., 217 Prospect St., erect cold storage plant; 20 by 26 ft., rein. conc., cork and cement floors, built-up roof; company builds. See Want Section—Machinery and Supplies.

Fla., St. Petersburg—St. Petersburg Cold Storage Co., 719 Times Bldg., and Clearwater, erect 2 plants, one at St. Petersburg, 100x122 ft., 4 stories; other at Clearwater, 50x100, 1 story, with large pre-cooling in car plant; cost about \$300,000; Elliott B. Hadley, Archt.; C. C. Whittaker, Bona-Alten Bldg., Atlanta, Ga.; J. Paul Jones Co., Contr., 3711 17th Ave., S.

Fla., Tampa—Tampa Union Terminal Co., Clyde Perry, Pres., 823 S. Orleans St., driving sheet piling for bulkhead and pouring foundations for packing house in connection with cold storage and citrus fruit pre-cooling plant on Ybor Channel; let following sub-contracts: Struct. steel and corrugated asbestos for packing house erected, Ingalls Iron Works, 207 Franklin St., Tampa, and Birmingham, Ala.; excavating and grading, Murphy & Henderson; steel for reinforcing conc., Booker & Co., Morgan and Bell Sts.; dredging, Tampa Sand and Shell Co., Oak Ave.; test drilling, P. R. May, 1201 Clifton Ave.; glass and glazing, Perry Paint and Glass Co., E. Lafayette St.; pile driving and bulkhead driving, Tampa Sand and Shell Co.; sand and gravel, Ocean Stone and Gravel Co., Swann Terminals, all Tampa; elevator equipment, Ransome Concrete Machinery Co., Dunnellon, N. J.; sheet steel piling, Sheet Piling, Inc., 436 W. Lafayette St., Tampa, and 17 John St., New York City; concrete plant, Blaw-Knox Co., Pittsburgh, Pa.; elevators, American Elevator and Machinery Co., 500 E. Main St., Louisville, Ky.; cement, Alabama Portland Cement Co., Birmingham, Ala.; lumber, Roux Askew Lumber Co., Florida; short period of time available for proposals on cork insulation, refrigerating machinery and equipment, conveyors, packing house machinery, trucks, tractors and all other wharf and warehouse equipment. Parsons, Klapp, Brinckerhoff & Douglas, 84 Pine St., New York, in charge of engineering; Parklap Corp. of Florida, Gen. Contr., St. Petersburg. 7-5

Ga., Albany—Albany Crystal Ice Co., S. S. Dudley, Pres., will build by day labor 25-ton ice plant; 75x40 ft., brick; machinery from Frick Co., Waynesboro, Pa. 7-12

La., Shreveport—Shreveport Ice and Brewing Co., 1626 South Ave., let contract at \$15,800 to Werner Co., Commercial Bank Bldg., for ice storage plant.

Md., Baltimore—Consolidated Gas, Electric Light and Power Co. applied to Public Service Comm. for authority to acquire Terminal Freezing and Heating Co., 430 S. Eutaw St.; plans to extend and reinforce steam mains.

Miss., Brookhaven—Southern United Ice Co. let contract to W. S. Rutter for ice depot.

N. C., Burlington—Cities Ice Service Co., capital \$50,000, incorporated; J. L. Dorminy, 700 W. Morgan St., Raleigh.

N. C., North Wilkesboro—Pure Ice Co., capital \$100,000, incorporated; C. D. Coffey, Jr., W. A. McNeill.

Tex., Amarillo—Consumers Ice Co., 110 Monroe St., capital \$750,000, incorporated; Alex Davidson.

Tex., Palestine—Desel-Boettcher Co., I. B. Hughes, Mgr., leased building, 114-16 E. Spring St., will install cold storage plant, 8-car capacity.

Tex., Port Arthur—Texas Corp., 17 Battery Place, New York, reported, plans \$8,000,000 plant expansion program, including \$2,000,000 cold treating plant to replace one recently destroyed by fire.

Tex., Pyote—Southern Ice and Utilities Delivery Co., incorporated; W. G. Saunders, L. R. Hogg.

### Iron and Steel Plants

Ky., Ashland—American Rolling Mill, Ashland, and Middleton, Ohio, excavating for \$170,000, one-story, 162x270 ft., steel, rein. conc. and brick warehouse; galvanized iron roof, wood block floors; H. W. Cox, Contr. 7-12

### Land Development

Ark., Eureka Springs—City Commrs. will improve Harmon Park.

Ark., Sulphur Springs—Sulphur Springs Resort and Health Center organized with \$500,000 capital; John E. Brown, Pres.; take over John Brown Schools and develop for health center, construct golf course.

Fla., Fernandina—Nassau Holding Corp., incorporated; Louis Goldstein, Mae Goldstein.

Fla., Jacksonville—Boney & Hopkins, Inc., chartered; W. R. Frazier, Barnett Bldg.

Fla., Leesburg—Leesburg State Co., capital \$10,000, incorporated; R. F. E. Cooke, A. H. Bourley.

Fla., Miami—Valmont Corp., capital \$50,000, incorporated; J. F. Jaudon, 1544 N. W. Tenth St.

Fla., Miami—Bogert Co., incorporated; W. D. Fletcher, 2355 N. W. 30th St.

Fla., Miami—Eduard Properties Inc., incorporated; C. B. Selden, First Natl. Bank Bldg.

Fla., Miami—James H. Sellers, Inc., incorporated; James H. Sellers, First Nat'l Bk. Bldg.

Fla., Orlando—M. B. Floyd, Inc., chartered; M. B. Floyd, 210 Smith Bldg.

Fla., Vero Beach—Indian River Valley Fruit Co. incorporated; C. W. Young, William C. Killen.

Fla., West Palm Beach—Utah Realty Corp., incorporated; J. F. Budd, 445 Malverne Road.

Ga., Atlanta—Haralson Co. acquired Ames subdivision at Virginia and Highland Aves., will develop.

La., Baton Rouge—Westdale County Club, Claycut Rd., expend \$10,000 for developing 42-acre golf course. 7-12

Mo., St. Louis—Lindenwood Realty Co., incorporated; Raymond L. Farmers, B. E. Hamilton.

Tenn., Knoxville—Welfare Committee of City Council considers acquiring 25 acres of land, west of Broadway and extending into Lincoln Park section, for park.

Tenn., Memphis—Ralph L. Jurden, 621 S. Willett St., acquired 82 acres of land, south side of Park Ave., at head of Cherry St.; plans developing for subdivision.

Tex., Beaumont—M. L. Leffer, Gilbert Bldg., acquired 725 acres, on Beaumont-Sour Lake Rd. near Amelia; will subdivide into acreage.

Tex., Donna—Southern Land Development Co., Kansas City, acquired 10 mi. tract south of Donna; will develop for citrus fruit.

Tex., McAllen—Development Co., capital \$50,000, incorporated; Dr. F. E. Osborn, R. E. Horn; will develop citrus orchards in 5 and 10 acre tracts in territory near McAllen.

Tex., Spearman—John Cavin, Oliver-Eagle Bldg., and Mrs. Emma Jackson, of Amarillo, acquired 2400 acre ranch.

Va., Petersburg—Four Tract Corp., capital \$10,000, incorporated; J. W. Ferrell, 1522 Westover Ave.

Va., Richmond—Westwood Realty Corp., incorporated; H. R. Pollard, III, 3209 W. Grace St.

Va., Roanoke—Milmar Realty Co., capital \$100,000, incorporated; R. B. Adams, Mountain Tr. Bldg.

### Lumber Enterprises

Ark., Bruce (P. O. Doylestown)—Frost Lumber Industries, E. A. Frost, Texarkana, acquired Graves Lumber Corp. of Bruce, 12 miles west of Pine Bluff.

Ark., Humphrey—Cooley Lumber Co., capital \$25,000, incorporated; G. O. Cooley.

Ga., Brooklet—W. R. Altman Lumber Co., Inc., advises recent fire destroyed only fuel house which already has been rebuilt. 7-12

Ky., Barbourville—Rapp Lumber Co. acquired Patterson Lumber Co.

Ky., Covington—Lang Lumber & Mfg. Co. changed name from Lang Lumber Co.; increased capital, \$30,000 to \$200,000.

Ky., White Plains—Fox Lumber Co., Nortonville, acquired Berry Lumber Co.

La., Alexandria—Carroll Lumber Co. may build warehouse addition later in year; recently increased capital for general business expansion. 7-5

La., Clarks—Louisiana Central Lumber Co. increased capital, \$1,515,000 to \$1,600,000.

La., Shreveport—Shreveport Long Leaf Lumber Co., J. W. Willis, Pres., 1632 Texas St., erecting \$20,000 mill, wood floors, comp. roof, 80x158 ft.; Clarence W. King, Archt., Giddens-Lane Bldg.; Werner Co., Inc., Contr., Commercial Bank Bldg. 7-12

Miss., Columbia—White's Lumber and Supply Co., incorporated; H. L. White, L. W. Johnson.

Miss., Estes—Legan & McClure Lumber Co. offering \$600,000 first mortgage 6% serial and sinking fund gold bonds through Whitney-Central Banks, New Orleans, La.; company has properties in Winston, Noxubee and Kemp Counties, Miss., including 153,328,000 ft. of standing timber, 90% of which is pine, completely equipped modern lumber manufacturing plant at Estes, Miss.

Miss., Gulfport—Union Lumber Co., capital \$40,000, incorporated; D. T. Russell, W. F. Cullinane.

Miss., Laurel—Eastman, Gardiner & Co., Pa. Rogers, V. Pres. and Gen. Mgr., erecting 2 band and resaw mill of timber construction, machine shop, round house, blacksmith shop and dry kilns to replace mill recently destroyed by fire; have purchased complete new equipment; construction contracts have been let to Filer & Stowell Co., Milwaukee, Wis.; Welch Dry Kiln Co., Inc., Maritime Bldg., New Orleans, La.; and Grinnell Co., Inc., 276 Marietta St., N. W., Atlanta, Ga. 5-10

Mo., Kansas City—Ralph L. Smith Lumber Co., incorporated; Charles E. Blair, 45 W. 69th St. Terrace.

Mo., Louisiana—Engleman Lumber Co., incorporated; J. A. Engleman, Mendon; Fred H. Engleman, Louisiana.

N. C., Hamlet—T. B. King Lumber Co., capital \$100,000, incorporated; T. B. King, H. E. Gibbons.

Okla., Picher—W. E. Lykins Lumber Co., incorporated; W. E. Lykins, Hazel A. Lykins.

Okla., Sand Springs—K. M. Vaughn Lumber & Hardware Co., capital \$50,000 incorporated; K. M. Vaughn, 1740 E. Sixth St., Tulsa, acquired and will operate Shepard Lumber Co.

Tex., Nacogdoches—A. J. Cariker, Cushing, plans establishing planing mill.

### Mining

Ga., Cartersville—Stockholders of Georgia Manganese and Iron Co., Joel Hurt, 201 Hurt Bldg., Atlanta, ratified increase of capital from 100,000 shares to 300,000 shares of non par value to provide working fund of \$1,500,000, for use in increasing output of company's product to 200,000 tons yearly, take up \$300,000 mortgage and retire preferred stock. 7-5

Ky., Leitchfield—W. O. Kruger, Engr. for interests who plan developing 7500 acres of asphaltic deposits in Grayson County, 4 mi. southeast of Leitchfield; erect factory, cost approximately \$2,000,000, chief product of factory will be German motor dyes, will handle 30,000 tons daily, also paving materials for construction battery boxes and other articles.

Missouri—Missouri-Kansas Zinc Corp., 74 Trinity Place, New York, probably increase capacity by adding other flotation machines to recently acquired flotation plant of Kansas Zinc Mills Corp.; also install transporta-

tion facilities from two of Missouri-Kansas mills to newly acquired plant. 7-12

N. C., Burnsville—Pollard Cyanite Co., capital \$1,000,000, incorporated; J. A. Pollard, E. H. Pollard.

S. C., Camden—Camden Gravel Co., J. B. Zemp, Pres., recently incorporated, develop 75-acres, daily capacity 15-20 cars; machinery purchased. 7-12

### Miscellaneous Construction

Fla., Miami—City Comm. approved 2 comprehensive plans for developing Miami harbor; plan use of Peninsular Terminal Island and Virginia Key and construction of causeway to southwest tip of Virginia Key from Point View; build railroad line on causeway to furnish service to Virginia and Biscayne Keys and terminal island; Gen. Harry Taylor, Consit. Engr.

La., New Orleans—Orleans Levee Bd. of Commrs. voted to extend pier at new Pontchartrain Beach at Spanish Fort, 200 ft. further out and to cover entire walk with shed.

La., New Orleans—Incinerator—City, T. Semmes, Walmsley, Commr. of Public Finance, let contract to J. A. Petty & Sons, Inc., Godechaux Bldg., for erecting plant "B" and "C," on Bartlett & Snow Co., specifications, at \$202,570; to H. W. Bond & Bros., 1019 Constantinople St., at \$53,100 for plant "E," on Bartlett & Snow Co. specifications; contract for incinerator equipment let to C. O. Bartlett & Snow Co., 6700 Harvard Ave., Cleveland, Ohio, at \$390,600; plants to be on Sixth and Franklin Sts.; St. Louis and N. Roman Sts.; Florida Walk and Lafayette Ave. 6-14

La., New Orleans—Mississippi River Comm., Fourth Dist., Maj. W. H. Holcombe, Dist. Engr., receives bids Aug. 6 for approximately 6,300,000 cu. yds. earthwork in levees designated as follows by name of levee, height, and estimated net yardage: Lake St. John, 38,000 yds.; Fish Pond, 20.0, 285,000; Brabston, 20.7, 242,000; Roseland Ashland, 15.8, 235,000; Union Point-Shaw, 11.6, 175,000; New Texas, 26.0, 750,000; St. Francis Church, 25.9, 338,000; Eliza, 22.2, 325,000; Lauderdale, 16.2, 93,000; Brookstown, 20.5, 212,000; Bonnet Carre, 15.1, 116,000; Waterford, 16.1, 84,000; Ashton, 17.0, 101,000; Ellington, 15.5, 146,000; Oak Point, 11.4, 21,000; Augusta, 11.6, 14,000; Ellie, 11.5, 62,000; Myrtle Grove, 13.7, 142,000; Gay, 20.4, 408,000; Willow Grove, 20.2, 520,000; St. Elmo, 16.7, 290,000; Reserve, 16.0, 520,000; Chamette Cemetery, 14.2, 29,000; Monseconr, 13.4, 47,000; Suburban Club, 10.4, 74,000; Upper Pointe-a-la-Hache, 9.1, 11,000; Legonier, 13.4, 60,000; Forest Grove, 14.3, 140,000; Hicks, 14.1, 87,000; Crooked Bayou, 15.6, 90,000; Baberton, 16.7, 230,000; Richard, 18.4, 145,000; Sandy Bayou, 12.4, 50,000; Richardson Point, 100,000. 7-12

Md., Baltimore—Bd. of Awards let contract to P. C. Streett Engineering Co., 404 St. Paul St., for 2-story merchandise warehouse for Western Maryland Ry. Co., at municipal pier under construction, McComas St.; J. E. Greiner & Co., Lexington Bldg., Consit. Engr. 7-5

Mo., St. Louis—City Plan Comm. submitted plans for developing St. Lou's river front, bordering eastern end of downtown business district; provides for two thoroughfares 100 ft. wide from north and northwestern part of city, and from south and southwestern part of city; construct elevated roadways in these 2 thoroughfares having capacity for six lanes, and double-deck Third St., 140 ft. wide, Poplar to Morgan St.; acquire property between Third St. and river from Spruce St. to Franklin Ave., for river-front nut Sts., between Third and Fourth Sts.; entire expenditure will total \$50,000,000.

Tenn., Memphis—Dist. Engr., Mississippi River Comm., First and Second Dist., 1006 McCall Bldg., receives bids July 25 for constructing earthwork in Lower St. Francis and White River Levee Dist. See Want Section—Bids Asked.

Tex., Houston—City, O. F. Holcombe, Mayor, receives bids Aug. 1 for incinerator. See Want Section—Bids Asked. 7-12

W. Va., Huntington—City plans repairing central incinerator; cost \$30,000.

### Miscellaneous Enterprises

Ala., Huntsville—Rome Electric Range Co. erecting plant, 56x166 ft.; will purchase about 15 small presses.

Ala., Mobile—International Paper Co., R. J. Cullen, Vice-Pres., 100 E. 42nd St., New York, reported, will start work within 30 days on \$5,000,000 kraft paper mill to have daily capacity of 170 tons; will lease 95-acre site on State Dock Commission's terminal railroad; employ 500 persons and have annual

payroll of over \$1,000,000; company also has options on 200,000 acres of Alabama timber lands.

Ala., Mobile—Continental Bag Co., reported, subsidiary of International Paper Co., Park Ave. and 42d St., New York, will erect plant adjoining plant to be built by Southern International Paper Co., Bastrop, La.; 215x500 ft.; produce merchandise and flour bags; engineer laying out site.

Ark., Arkadelphia—Chamber of Commerce interested in establishing cheese factory.

Ark., Fort Smith—Fort Smith Dist. Bd. of Health interested in constructing reduction plant at abattoir.

Fla., Boca Raton—Construction—Thomas D. Giles, Inc., incorporated; T. D. Giles, D. D. Giles.

Fla., Bradenton—J. R. Hawley lease building on Third Ave., will establish overall factory; install machinery; James Buton will be Mgr.

Fla., Jacksonville—Equipment for Contractors, Inc., 1622 Barnett Natl. Bank Bldg., erect \$15,000 building; Royce Kershaw, Inc., Contr., 1623 Barnett Bldg.

Fla., Jacksonville—General Marble and Tile Co. incorporated; A. J. Cesery, 1924 Wambolt St.

Fla., Miami—Sun Heater Co., A. G. Caruthers, Mgr., Tampa, may establish plant here to manufacture solar water heater.

Fla., Sarasota—E. C. Weichman, Youngstown, Ohio, leased Dean Alvord Bldg., 426 Main St.; remodel for ice cream manufacturing plant.

Fla., Tampa—West Coast Sheet Metal and Roofing Co., incorporated; Oscar Worrell, 705 Azele St.

Fla., West Palm Beach—Wilcox Construction Co., capital \$50,000, incorporated; E. W. Wilcox, 263 Barcelona Road, El Cid.

Ga., Alma—W. D. Horton and Braswell Denn acquired Alma Times.

Ga., Rome—Lloyd's Bakery let contract to Charles F. Duke for addition, 1 story and basement, 140x50 ft., brick, comp. roof; cost \$25,000.

Ga., Washington—Wilkes County Creamery let contract to Washington Manufacturing Co. for remodeling Hogan building for creamery.

Ky., Henderson—Kentucky Baker, capital \$40,000, incorporated; H. Boog, R. P. Hooker.

Ky., Henderson—Henderson Creamery Co. increased capital, \$25,000 to \$60,000.

Ky., Louisville—Lewis Mfg. and Supply Co., capital \$40,000, incorporated; B. R. Lewis, 1738 Deerwood Drive.

Ky., Newport—Brass and Aluminum Products Co., incorporated; Theodore Reynolds, O. Burbank.

La., Denham Springs—W. G. Jones acquired Denham Spring News.

La., Lafayette—P. V. Mouton, W. M. Thimmony interested in establishing canning plant.

La., Monroe—Armour & Co., 109 N. Fourth St., and Chicago, erect \$125,000 branch plant, Jefferson Ave. and N. Fifth St.; 2 stories and basement.

La., New Orleans—Reef Rock Asphalt Co., Inc., capital \$10,000, incorporated; John W. Farmer, 7104 Spruce St.

La., Shreveport—Colossus Co., Inc., 115½ Texas St., Gulf States Belting and Hose Co., 420 Spring St., Pelican Swing Co., 119 Beach St., Agurs, have merged, will be known as Colossus Industries, Inc., with J. R. Russell, Pres.

La., Tuskegee—Col. F. O. P. Theander, Thibodaux, La., reported, completing building and soon install machinery for sweet potato starch manufacturing plant.

Maryland—J. G. White & Co., 37 Wall St., plans establishing ferry line between Sandy Point, in Anne Arundel County, and Kent Island, on Eastern Shore; use electrically driven boats.

Md., Baltimore—Burns Bottling Machine Works, 2329 Kirk Ave., plans enlarging factory buildings. See Want Section—Machinery and Supplies.

Md., Snow Hill—Frank Branford has contract for cooling station for Worcester Daily Corp., R. D. Gordy, Pres.; Scott Powell Dairies, Inc., 45th and Parrish Sts., Philadelphia, furnish equipment. 7-5

Miss., Jackson—N. & W. Overall Co., Inc., Kemper St., Lynchburg, Va., let contract at \$44,474 to Wetmore Construction Co. for factory; 4 stories, rein. conc., brick, built-up comp. roof, conc. and wood floors, sprink-

ler system; Claude H. Lindsley, Archt., Lamar Life Bldg. 7-5

Miss., Natchez—Dairy Development Committee of Natchez Assn. of Commerce interested in establishing creamery.

Mo., Kansas City—Frank W. Biggs Advertising and Novelty Mfg. Co., incorporated; A. D. Biggs, 944 W. 34th St.

Mo., Kansas City—Simplex Auto Camp Bed Co., incorporated; Wilbur Mansfield, 410 Landis Court.

Mo., Kansas City—Blue Bird Laundry & Dry Cleaning Co. incorporated; L. J. Davis, 830 Garfield Ave.

Mo., Kansas City—Sterling Machine Corp., incorporated; Jacob Barzen, 927 Walnut St.

Mo., Kansas City—Engineering—Archer & Gloyd, Inc., chartered; Arthur W. Archer, 425 W. 6-st St. Terrace.

Mo., Kansas City—Western Linoleum Co., incorporated; R. L. Mehornay, 430 W. 50th St. Terrace.

Mo., Kansas City—Golden Star Polish Mfg. Co., 815 E. 21st St., let contract to O. Taggart, 3807 E. 17th St., at \$16,200 for erecting plant, 13th St. and Kansas Ave.; 60x110 ft., 1 story and basement, brick, tile; rein. conc. floors; company manufactures furniture and automobile polish; H. H. Sanne-man, Archt., Lee Bldg. 7-12

Mo., Rolla—Distol Shoe Co., incorporated; H. L. Pennington, H. E. Knap.

Mo., Springfield—Louis W. Reps, 1010 E. Walnut St., completing excavation work for \$70,000 printing plant for Inland Printing Co.; brick and terra cotta; 2-story section for display and stock rooms, office; 1-story section for printing plant.

Mo., Joplin—Meeker Advertising Co., C. Meeker, Third and Michigan Sts., erect \$90,000 factory; 2 stories, brick; Smith & Van Pelt, Archts., Natl. Bk. Bldg.; Lockwood, Greene & Co., Engrs., 400 N. Michigan Ave.

Mo., St. Joseph—Mitchellhill Seed Co., 221 S. Second St., increased capital, \$50,000 to \$100,000.

Mo., St. Louis—A & K Garment Co., incorporated; M. B. Kely, 7439 Zephyr Place, Maplewood.

Mo., St. Louis—Insurance Investment Corp., International Life Bldg., acquired controlling interest in Farmers' National Life Insurance Co. of Chicago, increases assets of Insurance Investment Corp. to \$12,000,000.

Mo., St. Louis—Chandeyson Electric Co. erect \$10,000 factory addition, 4092 Bingham Ave.; brick, 1 story, 30x100 ft.; Widmer Engineering Co., Engrs., 201 Roosevelt Bldg.

Mo., St. Louis—Carlstrom Cheese Co. incorporated; E. C. Hilmer, 3803 Botanical St.

Mo., St. Louis—Chinaware—Mound City China Co., incorporated; Otto F. Beste, 3801 Utah Place.

Mo., St. Louis—Missouri Chromium Plating Co., incorporated; Clarence F. Mangle, University City; R. A. Mangle, St. Louis.

N. C., Concord—Geo. D. Slack Rubber Co., capital \$100,000, incorporated; P. M. Laferty, Geo. D. Slack.

N. C., Hayesville—J. V. Arrendale and others interested in establishing creamery.

N. C., Hickory—Sterling Overall Co., capital \$75,000, incorporated; J. W. Hartsfield, C. L. Mosteller; establish factory in Worth-Elliott building, 1413 11th St.

N. C., Salisbury—Carolina Feed Store, capital \$50,000, incorporated; L. R. Smyhey, J. C. Sipe; will manufacture feeds, poultry, etc.

N. C., Wilmington—City, Walter H. Blair, Mayor, will call bids soon for 750 gal. capacity pumper and 500 ft. regulation hose.

Okla., Durant—Bain Peanut Co., Suffolk, Va., plans erecting \$75,000 peanut factory.

Okla., Mangum—City voted \$10,000 bonds for fire engine. See Financial News. 6-14

Okla., Pawhuska—Better Building Co., incorporated; W. C. Fryer, Wm. Bawbell.

S. C., Hampton—Edisto-Savannah Rivers Development Assn. interested in establishing plant to manufacture overalls.

Tenn., Chattanooga—United States Gas Range Co., capital \$130,000, incorporated; S. S. Price, N. Crest Road.

Tenn., Knoxville—Hunt Construction Co., incorporated; W. M. Hunt, 3603 McCalla Ave.

Tenn., Knoxville—Peerless Laundry and Dry Cleaning Co. increased capital to \$25,000.

Tenn., Union City—Pleasant Valley Electric Co., incorporated; H. P. Moss, Dr. R. G. Latimer.



Tenn., Memphis—Tri-State Excavating Co. incorporated; O. A. Lawellin, 1468 S. Willett St.

Tenn., Nashville—Holt Advertising Co. incorporated; H. H. Holt, 850 Faxan St.

Tenn., Union City—Pleasant Valley Electric Co., incorporated; H. P. Moss, R. G. Latimer.

Tex., Beaumont—Augustine and Frank Hebert plan dairy.

Tex., Childress—Childress Drive Pepper Bottling Co., incorporated; W. H. Shirley, John M. Deaver.

Tex., Eastland—Ideal Dairy erecting creamery building; cost \$20,000; 30x60 ft.

Tex., Elgin—Farris & Dominey acquired Elgin Ice Cream Co.; leased building and remodel for ice cream plant.

Tex., Fort Worth—State Highway Dept., Austin, John Mead, Dist. Engr., plans establishing district asphalt plant, warehouse and offices; may purchase existing plant of Tarrant County.

Tex., Holland—See Water Works.

Tex., Houston—J. M. George, Gen. Mgr. of Saxet Co., 114 Eastgate St., has acquired Irving Ice and Ice Cream Co., 2100 Center St.

Tex., Laredo—City will expend \$80,000 for fire fighting equipment.

Tex., San Angelo—Snowwhite Creameries, H. C. Vandervant, Mgr., erect \$100,000 creamery.

Tex., San Benito—J. L. Tomson, Marfa, plans erecting shirt and overall factory.

Tex., Whittenberg—Boiler Flue Machine Co., incorporated; L. P. Uhrey, J. W. Sanderson.

Va., Big Stone Gap—U. S. Leather Co., 17 Battery Place, New York, and 204 Essex St., Boston, plans paper mill, conjunction with tannery; 100x400 ft., cost \$500,000; with initial capacity of 15 to 20 tons of course paper pulp.

Va., Blackstone—E. P. Wallace & Co. plans rebuilding burned redrying tobacco plant.

Va., East Radford—Chamber of Commerce interested in erecting laundry building.

Va., Norfolk—Royal Silver Mfg. Co., Inc., 22d St., increased capital, \$100,000 to \$200,000.

Va., Radford—Paul Appleby, Des Moines, Iowa, acquired Radford News.

Va., Richmond—Richmond Envelope Co., Inc., 220 S. Fifth St., increased capital, \$50,000 to \$200,000.

Va., Roanoke—Animated Electric Advertising Corp., capital \$50,000, incorporated; Noble D. Wilkinson, Arthur E. Chapman, both Roanoke.

### Motor Bus Lines and Terminals

Okla., Oklahoma City—Southern Kansas Stage Line Co. has taken over Golden Eagle Co.'s franchise for bus service from Blackwell and Ponca City to Oklahoma City; company plans to place new busses of parlor car type in operation.

Tenn., Tazewell—Buffalo Transit Co. incorporated; L. M. Foley, Lon Bolton.

Tex., Amarillo—Pickwick Stages Inc., let contract to Elmer S. James, 1011 W. Seventh St., for erecting \$35,000 bus station, Fourth and Fillmore Sts.; 70x150 ft.

Va., Accomac—Accomac Transfer Co., capital \$10,000, incorporated; Roger J. Hutchinson, Harborton; J. R. Savage, Onancock.

Va., Lynchburg—State Corp. Comm., Richmond, granted permit to H. B. Andrews to operate freight bus service between Lynchburg and Cullen.

### Motor Cars, Garages, Filling Stations

Ala., Birmingham—J. L. Miller erect \$18,000 garage, on N. Fifth Ave.

Ala., Birmingham—Robert R. Meyer, Caner Bldg., erect garage at Seventh Ave. and 26th St.; to be occupied by Redmont Motor Co., 408 S. 21st St.; George P. Turner, Archt., Martin Bldg.; call for bids soon.

Ala., Birmingham—W. H. Robertson & Son have contract for concrete garage, Ave. D and 17th St., So. Birm., for George E. Butt; built-up roof; J. E. Salie, Archt., 2109 Fifth Ave., N.

Ark., Little Rock—Paul Kahn erect filling station, 3723 W. 12th St.

D. C., Washington—Nolan's Garage, Inc., capital \$20,000, incorporated; James J. Nolan, 2023 Kalorama Road, N. W.

Fla., Daytona Beach—G. P. Weisiger Co., Inc., incorporated; G. P. Weisiger, 501 Peninsula Road; F. P. Reeves.

Fla., Tampa—Central Rent-a-Car, Inc., chartered; F. R. Crom, 706 Franklin St.

Fla., Tampa—Nicholson Tire Service Co., Inc., capital \$50,000, incorporated; W. B. Nicholson, W. T. Nicholson.

Fla., West Palm Beach—Stephenson Tire Co., incorporated; John Stephenson, Winefred Stephenson.

Ga., Macon—Adams-Buchanan Motor Co., 716-18-20 Broadway, erecting, remodeling present structure, \$30,000 addition; brick, conc. and steel; R. H. Smalling's Sons, Contr., Third St.; M. H. Tardy, Archt., Grand Blvd. 7-12

La., New Orleans—Jensen Service Station let contract to Geary Oakes Co., Q. & C. Bldg., for \$13,000 filling station, St. Claude Ave.; 61x118 ft.; stone tile, brick, built-up roof.

Md., Baltimore—American Oil Co., American Bldg., erect \$15,000 building, Pennington Ave. and Curtis Creek; 2½ stories, 50x100 ft.; call for bids in about one week.

Md., Hyattsville—Hawshaw Motors, Inc., capital \$25,000, incorporated; John W. Hawshaw, John E. Hawshaw.

Miss., Meridian—W. M. Stone, 24th Ave. and 10th St., invites bids for erecting \$25,000 building, 1 story, conc. roof; M. Boots, Archt., 1305 22d Ave.

Miss., Meridian—J. V. Ulmer, 2316½ 22d St., receives bids July 30 for converting building into garage and filling station at Fifth St.; cost \$25,000; stucco, built-up comp. roof, tile and conc. floors; following contractors estimating: L. B. Priester & Sons, 1403 12th Ave.; McArthur & McLemore, M. W. Bldg.; L. W. Hancock, 26th Ave.; W. H. Forbes, 802 B St.; F. S. Covert, 1520 34th Ave.; D. S. Demuller; P. J. Krouse, Archt., M. & W. Bldg.

Miss., Meridian—J. V. Ulmer, 2316½ 22d St., call for bids soon for converting building into automobile storage and filling station, Fifth St., between 10th and 20th Sts.; stucco, built-up comp. roof; P. J. Krouse, Archt., M. & W. Bldg.

Mo., Boonville—R. B. Wayland, New Franklin, has contract for filling station; Bill & Traber, Archts., 1008 E. Broadway, Columbia.

Mo., Kansas City—Chevrolet Motors Corp., W. S. Knudson, Pres., Detroit, Mich., let contract to Patti Construction Co., 623 Lee Bldg., for \$2,250,000 plant in Leeds Dist.; include assembly building, Fisher body unit, service parts building, drive-way shed, office, power house; all buildings will be 1 story monitor type roof except office; plant to have 350 car daily capacity; Albert Kahn, Archt., 1004 Marquette Bldg., Detroit, Mich. 7-5

Mo., Springfield—Drs. Wallis and Souter Smith, 211 N. Jefferson St., constructing \$50,000 filling station, office and display room, S. Kimbrough Ave., to be occupied by Thompson Tire Co., 432 St. Louis St.; brick, terra cotta and stucco, 80x150 ft.; W. W. Johnson, Contr., 301 College St.

Mo., St. Louis—North End Drayage Co., incorporated; Lee P. Conyers, Patrick P. O'Neill.

Mo., St. Louis—Salisbury Motors, incorporated; John T. Salisbury, 5044 Bancroft St.

Mo., St. Louis—Ayres Auto Co. erect \$35,000 building, 820 Cass St.; brick, 2 stories, 97x130 ft., conc. floor; Aegerter & Bailey, Archts., Railway Exch. Bldg.; E. A. Steininger Construction Co., Contr., 4829 Easton St.

Mo., St. Louis—W. P. Alexander, Cincinnati, heads syndicate that acquired site on northwest corner of Ninth and Chestnut Sts., and plans \$500,000 store, office and garage building; garage will have capacity of 500 cars and will be built on rear of lot with offices and stores fronting on both Ninth and Chestnut Sts.; 8 stories and basement.

Mo., St. Louis—H. B. Hafertepe, 2007 S. Seventh St., erect \$20,000 service station, Seventh and Allen St.; 2 stories and basement, 42x62 ft., brick; Otto J. Krieg, Archt., 821 Wainwright Bldg.

N. C., Charlotte—Packard Charlotte Co., incorporated; P. C. Whitlock, Law Bldg.

N. C., Durham—Mrs. W. D. Strayhorn let contract to Wilkerson Construction Co., Geer Bldg., for erecting \$35,000 garage, N. & Duke St.; fireproof, 60x186 ft., built-up slag roof conc. and tile floors; will be occupied by W. P. Henry Motor Co.

Okla., Oklahoma City—J. A. Edwing, 221 W. 25th St., will erect \$16,500 garage; brick, 1 story; owner builds.

Okla., Tulsa—White Oak Gasoline Co., capital \$50,000, incorporated; V. H. Smith, W. F. Dieterman.

Okla., Tulsa—Smith Sand Co., 913 E. Third St., erect garage, San Springs Road; 50x140 ft., conc., steel.

S. C., Spartanburg—Kilgore-Alexander Motor Co., incorporated; D. D. Alexander, B. M. Kilgore.

Tenn., Knoxville—W. M. Fulton erect \$36,000 garage, Cumberland Ave. and 18th St.; brick, stone tile; L. M. Dow, Archt., Brownlow Bldg.

Tenn., Knoxville—Chandler & Co., 406 W. Depot Ave., erect building, W. Depot Ave., to be occupied by Spiers Motor Co., 521 N. Gay St.; 2 stories, 103x126 ft., rein. conc., hollow tile, brick; Barber & McMurray, Archts., General Bldg.

Tenn., Knoxville—V. L. Nicholson Co., 102 W. Clinch Ave., has contract for erecting 2 filling stations at Island Home and D St. and N. Broadway.

Tex., Dilley—L. B. Alford erect building; 1 story, rein. conc., stucco, brick; Adams & Adams, Archt., Builders Exch. Bldg., San Antonio.

Tex., Orange—Scudday Bar Co., incorporated; Gus Farrar, Fred Scudday.

Tex., San Antonio—J. J. Albers, 227 S. Medina St., erect garage, San Pedro Creek and Dolorosa St.; 1 story, 33x126 ft., brick, rein. conc., fireproof; Leo M. J. Dielmann, Archt., 306 E. Commerce St.

Tex., San Antonio—Haines-Flaherty Tire Co., 442 Main St., erect drive-in station, Lexington and Euclid Aves.; 1 story, brick, stucco.

Tex., San Antonio—Syndicate of business men headed by Gerald E. Melliff, 628 Buena Vista St., plans erecting garage, E. Crockett and Bonham Sts., to be leased by B-C Auto Storage Co., Inc.; fireproof, 3 stories, 25,000 sq. ft. floor space, with storage capacity of 600 cars; will begin construction in 60 days; cost about \$250,000.

Va., Richmond—U-Drive-It Co., capital \$50,000, incorporated; C. D. Barnard, Frank Pascal.

### Railways

Ala., Birmingham—Imperial Railroad Co., M. F. Mann, Decatur, Miss., applied to Interstate Commerce Comm. for permission to construct 150 miles of railroad in Mississippi and line into Birmingham; plans serving lumber operations in this territory.

Florida—Alabama and Western Florida R. Co., A. E. DeMayo, Pres., Chipley, applied to Interstate Commerce Comm. for authority to issue \$500,000 of capital stock, \$250,000 of which already has been issued.

La., New Orleans—Mississippi-Warrior Service, A. R. Wurtele, Ch. Engr., 320 Magazine St., has low bid from Hampton Reynolds, Maison Blanche Bldg., for reconstructing terminal. 6-14

Mo., Kansas City—Interstate Commerce Comm. authorized St. Louis-San Francisco Ry., F. G. Jonah, Ch. Engr., St. Louis, to operate as part of system the following: Kansas City, Fort Scott and Memphis Ry.; Kansas, Memphis and Birmingham R. R.; Kansas City, Clinton and Springfield Ry. and Kansas City and Memphis Ry. and Bridge Co.

Va., Fredericksburg—State Corporation Comm., Richmond, granted charter to Virginia Central Ry., C. J. Field, V.-Pres., to construct railroad from Orange to Fredericksburg and down Northern Neck.

### Railway Shops and Terminals

Mo., St. Louis—Bd. of Public Service approved Illinois Terminal Co.'s franchise bill, which gives railroad right to make extensive terminal improvements, erect combination subway, surface and elevated route, 5-10

Tex., Texas City—Texas City Terminal Ry. Co. has work under way on grain elevator improvements to consist of constructing grain conveyor gallery from headhouse of elevator to berth at shipside, 900 ft. long and of sufficient size to provide for 4 belts 42 in. wide; installing 25,000 bu. leg on inside of present elevator and improving speed of other 2 legs, which will require general remodeling of entire house such as changing of rope drives to direct drives; James Stewart & Co., Inc., 343 S. Dearborn St., Chicago, Engrs. and Contrs.; reconstructing warehouse "B" and dock facilities to consist of 2-story warehouse, 120x1160 ft. and dock apron 23x1200 ft., conc., rein. steel, contract for foundation of warehouse "B" and dock proper let to John Jacobson; Texas City Terminal Co. furnishing all material in connection with this foundation work, and such materials as are required have been purchased; will call for bids in about 30 days for warehouse superstructure. 4-26

## Roads, Streets and Paving

In connection with **LAND DEVELOPMENT** large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

## Proposed Construction

Ala., Birmingham—City, A. J. Hawkins, Engr., receives bids July 24 for grading, sidewalks, granite and conc. curb, combined curb and gutter, and sheet asphalt or Warrenite bitulithic paving, necessary drainage, etc., also sanitary sewers, in 26 Improvement Ordinances.

Ala., Mobile—Mobile County, Bd. of Revenue and Road Commrs. receive bids Aug. 14 for 6 roads, totaling 34.9 mi., including cement culverts: No. 5, Fowl River road, between Cedar Point road and Delchamps road; No. 6, Delchamps road, Fowl River to Theodore; No. 8, Government St. road, city limits to Seven Hills; No. 10, Bayou la Batre road, Coden to Irvington; No. 11, Telegraph road, Chickasaw to Three Mile creek; No. 18, road from Plateau to Prichard. 7-12

Ala., Tuscaloosa—State Highway Comm., Montgomery, receives bids Aug. 14 to pave parts of Tenth St., Tenth Ave. and Hackberry Lane, abutting on State property, Tuscaloosa; 8336 sq. yd. plain cement conc.; 3417 sq. yd. rein. conc.; 3574 cu. yd. excavation.

Ark., Nashville—City plans receiving bids to pave 5 blocks of streets.

D. C., Washington—Dist. Commrs. plan widening B St., from Washington end of Arlington Bridge to Capitol.

D. C., Washington—Dist. Commrs. approved re-surfacing sections of 18 streets.

Fla., Fort Myers—City Commrs. plan expending \$500,000 to \$600,000 to pave section of 20 streets.

Fla., Miami Beach—City, C. W. Tomlinson, Clk., received low bid from Hoskins & Brost, 1301 N. E. Bayshore Place, Miami, \$1.09 per sq. yd., for sidewalks in Lummus Park.

Fla., Pensacola—Escambia County plans \$600,000 improvements on new and old roads. See Financial News. 7-5

Ga., Acworth—State Highway Dept., East Point, plans 20-ft. wide paving through main street of Acworth.

Ga., Barnesville—City, E. L. Cook, Clk., receives bids Aug. 6 to grade, drain and pave Thomaston St. and portion of Forsyth St.; 3000 cu. yd. excavation, 15,000 sq. yd. plain conc., 8000 ft. conc. curb; necessary drainage; Wiedeman & Singleton, Engrs., 1404 Candler Bldg., Atlanta.

Ky., Danville—City, W. O. McIntyre, Mayor, receives bids July 20 for roadway, curbs, gutters, and drainage on Fourth St., Lexington to High; macad., conc., penetration asphalt, rock asphalt, etc.; sanitary sewers, appurtenances and service laterals on Fourth St., Lexington to High, and on Alta Ave., Adams and Green St.; Ralph C. Wyatt, City Engr.

Ky., Frankfort—City plans paving Fourth and Campbell Sts., Murray to Conway.

Ky., Hopkinsville—City plans street improvement. See Financial News.

Ky., Louisville—City plans paving Garland Ave., Thirtieth to Thirty-second.

La., Bastrop—Morehouse Parish Police Jury, J. W. Brodnax, Pres., receives bids Aug. 7 to furnish gravel and build 2½ mi. Shelton Highway, from Frost Lumber plant, Shelton, northward; 2,000 yd. washed, or 3,000 yd. sand clay gravel; J. Lester White, Parish Engr.

La., Natchitoches—Natchitoches Parish, Road Dist. No. A-9, plans \$45,000 road improvement and building. See Financial News.

Maryland—State Roads Comm., Baltimore, received low bids for 8 roads: Washington County—1.93 mi. conc. shoulders and drainage, end of Cont. W-26 to Cearfoss, Bester-Long Co., 441 S. Potomac St., Hagerstown, \$16,675; Anne Arundel County—conc., Jessup to Dorsey-Glen Burnie road, via Kennard Corner, Continental Contracting Co., Knickerbocker Bldg., Baltimore, \$79,406; St. Mary's County—2.13 mi. gravel, Valley Lee to Porto Bello Gate, Jarboesville to Hermonville, Thos. Mullan, 3945 Greenmount Ave., Baltimore, \$20,446; Allegany County—4.31 mi. conc. shoulders and conc., Lonaconing to Moscow Mills, Phoenix through Westport, Cumberland Contracting Co., Valley St. Bridge, Cumberland, \$38,383; Carroll County—2.32 mi. conc. shoulders, Taneytown road, Westminster to Fountain Valley, Thomas, Bennett & Hunter, Westminster, \$19,188; Prince George's County—41 mi. hot or cold bit. mixture surfacing, Cottage Ave., Baltimore-Washington Blvd., to Rhode Island Ave., Corson & Gruman, Thirty-third and K Sts., N. W., Washington; Harford County—2.03 mi. conc. shoulders, Forest Hill road, St. Ignatius Church to Forest Hill, P. Reddington & Sons, 2 E. Lexington St., Baltimore, \$15,696; Montgomery County—2.07 mi. penetration macad. surfacing, Columbia Turnpike, Colesville road near Whiteoak toward Laurel, Long, Tenny & Co., Hagerstown, \$34,932. 6-28

Maryland—State Roads Dept., Baltimore, receives bids July 24 for 5 roads, 2 bridges: Frederick County—91 mi. conc., Licksville to Point of Rocks, Cont. F-195; Prince George's County—1.25 mi. conc., River road, end of Cont. P-68 to Suitland, Cont. P-73; Worcester County—59 mi. conc., Williams St., Berlin, Cont. W-58; 46 mi. conc., Market St., Snow Hill, Cont. W-59; Montgomery County—1.51 mi. conc. shoulders, penetration macad. resurfacing, River road, Woodmont-Glen Echo road to Campbell's Corner, Cont. M-109; Bridges: 3-span steel and conc. bridge over B. & O. R. R. tracks, Silver Springs to Bethesda, Cont. M-114; Baltimore County—3-span steel and conc., under Western Maryland R. R. Co. tracks, Gwynns Falls Parkway, Cont. BC-73; John N. Mackall, Chmn.

Maryland—State Roads Comm., Baltimore, received low bid for 9 roads: Montgomery County—1.02 mi. penetration macad., end of Cont. M-55, toward Lewisdale, T. E. Russell, Frederick, \$20,950; 1.84 mi. cold bit. mixtures for surfacing, Colesville road, Silgo Branch to Burnt Mills, Corson-Gruman Co., Inc., 33d and K St., N. W., Washington, D. C., \$23,034; 1.7 mi. conc. shoulders, macad. resurfacing, Bradley Lane, Rockville Pike to Wilson Lane, Jos. P. Maher, 4325 15th St., N. W., Washington, \$21,440; St. Mary's County—2.9 mi. gravel, Clements toward Leonardtown; Clements toward Chantico; Milestown to Sacred Heart Church, Southern Maryland Construction Co., 14 E. Lexington St., Baltimore, \$22,787; Charles County—3.16 mi. gravel, Lyons Corner LaPlata road, to Indian Head road, G. R. Mullin & Co., 1296 Upshur Rd., N. W., Washington, \$27,173; Wicomico County—1.18 mi. conc., Quantico-Hebron road, end of Cont. W-34 to Cont. W-140, W. W. Truitt, Lincoln City, Del., \$18,679; Prince Georges County—41 mi. Cottage Ave., Baltimore-Washington Blvd., to Rhode Island Ave., M. Cain Co., 13 Sixth St., N. E., Washington; Howard County—3.69 mi. hot or cold bit. mixtures for resurfacing, Baltimore-Washington Blvd., Laurel toward Baltimore, J. I. Robertson, Montebello Ave. and B. & O. R. R., Baltimore, \$45,889; Anne Arundel County—1.69 mi. hot or cold bit. mixtures for resurfacing, Defense Highway, Annapolis to Parole Fairway Co., Baltimore, \$17,550. 6-25

Md., Baltimore—Bd. of Awards receives bids July 25 to grade, curb and pave with 9700 sq. yd. sheet asphalt on conc. base, streets in Cont. 472; 10,000 cu. yd. grading, Cont. 473; Nathan L. Smith, Highways Engr.

Md., Baltimore—Bureau of Plans and Surveys will make survey to extend Pitcher road, Wilkens Ave. to Coolidge Ave.; Pine Heights Ave., McTavish to Benson Ave.; Nathan L. Smith, Highways Engr.

Md., Towson—Baltimore County Commrs., John R. Haut, Ch. Clk., receive bids July 24 for 5 roads: Group 10—.09 mi. conc. Tuffon Ave., 1 conc. culvert, twin span, 14x5x22 ft.; Group 11—improve 16 mi. conc. Riverview Ave., St. Helena, city limits to Willow Spring road; 28 mi. conc. Williams and Maxwell Ave., New Pittsburgh, Sellers Point road to Fifth Ave.; 5 mi. conc., Riverside Drive, Essex, Eastern Ave., south; 4 mi. conc., Riverside Drive, Back River Highlands from Mace Ave. to Poplar road; Samuel A. Green, Roads Engr.

Miss., Belzoni—Humphreys County Bd. of Suprs., A. R. Hutchens, Clk., receives bids Aug. 6 to rebuild County Line road, in Second Suprs. Dist.

Miss., Belzoni—Humphreys County Bd. of Suprs., A. R. Hutchens, Clk., receives bids Aug. 9 for 4.664 mi. State Trunk road, Yazoo City to Moorhead; 37,855 sq. yd. plain cement conc., 8200 sq. yd. rein. conc., pavement; G. A. Draper, State Highway Engr.

Miss., Columbia—City plans letting contract to pave, curb, install storm sewers, etc., on 1 mi. Broad St., High School Ave. to top of Keyes Hill; \$75,000.

Miss., Corinth—Alcorn County Bd. of Suprs., plans \$800,000 for roads and bridges; \$400,000 graveling; \$125,000, grading; \$75,000, bridges and culverts. See Financial News. 5-24

Miss., Hernando—City plans paving street around courthouse and Cedar St.

Miss., Jackson—Hinds County Bd. of Suprs., receives bids Aug. 8 for .525 mi. conc.

state trunk road, between Raymond and Utica, 5548 sq. yd. conc. surfacing.

Miss., Jackson—Hinds County Bd. of Suprs., W. W. Downing, Clk., receives bids Aug. 8 to improve Edwards and Utica road; 6500 cu. yd. excavation, 508 cu. yd. gravel surface; R. M. Stringer, Engr.

Miss., Senatobia—Town, Mayor and Bd. of Aldermen, considering rebuilding streets with conc. or asphalt.

Miss., Vicksburg—City, J. W. Hossley, Mayor, receives bids Aug. 6 to pave Clay St., extension, Howard to Arch; John L. Hyland, City Engr.

Miss., Waynesboro—Wayne County plans expending \$15,000 to complete graveling through Waynesboro-Piave Separate Road Dist. See Financial News. 6-21

Mo., Butler—City has preliminary plans for 7 blocks 6-in. conc. paving; J. W. Shikles & Co., Engrs., 708 New York Life Bldg., Kansas City.

Mo., Clayton—City, E. B. Colby, Clk., receive bids July 25 to improve Central Ave., Delmar to southern city limits; Sixty-sixth St., Olive Blvd. to Chamberlain Ave.

Mo., Clayton—St. Louis County Court authorized building Lucas and Hunt conc. road from Natural Bridge road through to Florissant Ave.; 80-ft. wide.

Mo., Excelsior Springs—City receives bids July 23 to pave 3 streets: Temple Ave., Isley to Park St.; Bluff St., Marietta to Main; unnamed street from Elms Bridge to Main St.

Mo., Fulton—Paving—City votes Aug. 3 on \$39,000 bonds.

Mo., Fulton—City plans expending \$39,000 to pave section State Highway 54 through city. See Financial News.

Mo., Jefferson City—City, C. W. Thomas, Mayor, plans repairing Dunklin St. with bit. macad.; paving Vista Road and McCarty St.

Mo., Jefferson City—City, C. W. Thomas, Mayor, receives bids soon to pave with 7-in. conc., Filmore St., Jefferson to Washington.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, plans expending \$5,500,000 for 6 trafficways: North Side Connection; Sixth St.; Winner Road Viaduct, etc. See Financial News.

Mo., Mexico—City, J. H. Lane, Mayor, receives bids July 23 to pave Breckenridge St., Jefferson to Harrison; 6963 sq. yd. 6-in. rein. conc. pavement, integral curb.

Mo., Pierce City—City plans expending \$13,500 for 16,500 sq. yd. street paving, under direction of Russell & Axon, Engineering firm.

Mo., Sedalia—Pettis County Court and Commrs. of Hughesville Special Road Dist. 11, receives bids Aug. 1 for 2 roads: 7 mi. 12-ft. gravel, Georgetown and Houstonia road, through Dist.; 5 mi. from Hughesville east to east line of Dist.; T. O. Stanley, Highway Engr.

Mo., Sikeston—Town receives bids soon for grading and 15,000 sq. yd. conc. paving State highway through town; plans re-surfacing North and South Kingshighway; W. A. Fuller Co., Engr., 1912 Ry. Exchange Bldg., St. Louis.

Mo., St. Joseph—City, Bd. of Public Works, received low bid from Metropolitan Paving Co., Donnell Ct., \$6975, to pave with asphalt using present surface as base, North Seventh St., Robidoux to Felix; J. L. Bridgeford Co., to pave east-west alley, between Renick and Sacramento, and Mitchell Ave. and Penn St.; plans widening thoroughfares in and around civic center area; widening Felix, Edmond and Francis St. in downtown section later.

Mo., St. Joseph—City, Bd. of Public Works, has tentative plans to widen Faraon St., 30 to 36 ft., Fourth St. to Frederick Ave.; William M. Soann, City Engr.

Mo., St. Joseph—City, Bd. of Public Works, plans paving with conc. Clayton St., King Hill Ave. to Miami St.; resurface with asphaltic conc. Krug Park Place, Eleventh St. to St. Joseph Ave.

Mo., St. Louis—City, Bd. of Public Service, receives bids July 31 to rebuild Twenty-third, Twenty-second St., Market to Scott; constructing second and third sections of sewers in Southwestern Joint Sewer Dist.

Mo., Webster Grove—City, R. L. Wilson, Clk., receives bids July 23 to improve South Frisco St., from Big Bend Blvd. near Glendale road, to point near Gray; West Side Ave., Rock Hill to Frisco; improve alley.

North Carolina—State Highway Comm., Raleigh, receives bids Aug. 7 for 22 roads, totaling 155.78 mi., and 2 overhead bridges: Hertford-Bertie Counties—8 mi. conc. Route 80, Aulander to Ahoskie; Bertie County—8.6 mi. conc. Route 50, Roanoke River Bridge



toward Windsor; Tyrrell County—17 mi. grading, Route 90, Columbia, east; Nash Line, grading and approaches near Whit County—overhead crossing Atlantic Coast Route 10, near New Bern; Duplin County—akers; Craven County—9.3 mi. hard surface 18.3 mi. sand asphalt Route 24, Kenansville, east; New Hanover County—8 mi. grading approaches to bridge Route 20; 15.6 mi. hard surface Route 40, Wilmington to Carolina; Beach-Bladen County—10 mi. sand asphalt Route 21; Cumberland County—5 mi. sand asphalt Route 21, Fayetteville, north; Lee County—6 mi. top soil Route 53, Jonesboro to Harnett County line.

In Orange County—4.9 mi. grading, structures Route 54, end of hard surface at Carrboro, to White Cross; Davidson County—1.5 mi. top soil Route 61, Thomasville to Randolph County line; Randolph County—6 mi. top soil Route 61; Montgomery County—10 mi. top soil Route 190, Richmond County line to Candor; Alamance County—3 mi. hard surface Route 100, Haw River to Burlington; Catawba County—2.41 mi. hard surface Route 623; Alexander County—11 mi. top soil and structures, Taylorsville to Caldwell widening Route 10; Gaston County—shrdlu well County line; Gaston County—8.71 mi. widen 5.34 mi. Route 20; Catawba County—overhead bridge Route 10; Gaston County—overhead bridge Route 20; Forsyth County—6.8 mi. hard surface Route 65, Belewe Creek to intersection Route 60; Richmond County—2.52 mi. top soil Route 170 to Richmond-Montgomery County line.

N. C., Albemarle—State Highway Comm., Raleigh, plans letting contract for 10-mi. road on Route 74, between Albemarle, Stanly County, and Cabarrus County line, including oil-treatment.

N. C., Charlotte—State Highway Comm., Raleigh, has available \$1,400,000 for highway in Sixth Dist., Mecklenburg County.

N. C., Charlotte—State Highway Comm., Raleigh, plans expending \$75,000 for 1½ mi. grading York road from south of Davis' Store, on old Pineville road, to South Tryon St. extension; eliminate grade crossing.

N. C., Charlotte—City, Mayor Redd, plans paving 8 streets, including Baldwin, Commonwealth Ave., Moorehead, Fairview St.

N. C., Winston-Salem—Forsyth County Highway Comm., considering 27 mi. hard surfaced roads; \$291,000.

Oklahoma—State Highway Comm., Oklahoma City, considering \$3,500,000 road building program; probably let contracts last of Aug.

Okl., Oklahoma City—Western Paving Co., Petroleum Bldg., low bidder, \$3.73 per sq. yd. for Warrenite bitulithic surface on alleys in Delmar Gardens, and on Phillips Ave., Eighteenth to Twenty-first St. 6-28

S. C., Charleston—City, Mayor Stoney, plans paving roadways and sidewalks on Copper St.; sewers and drains on Flood, Lily, Pine and Norman St.

S. C., Greenville—Greenville County Highway Comm., B. F. Rush, Chmn., receives bids July 30 for 106 mi. top soil and surface treatment, cross county roads; 104,000 cu. yd. top soil; 1,122,000 sq. yd. bit. double surface treatment; Dalton & Neves, Engrs. 7-12

S. C., Greenville—Greenville County Highway Comm., B. F. Rush, Chmn., bids July 30 to top-soil and double bit. surface treat 13 projects; 105,000 cu. yd. top soil, culverts, bridges, etc.; 1,122,000 sq. yd. double surface treatment; Dalton & Neves, County Highway Engrs., Cleveland Bldg.

Tenn., Chattanooga—City, Roger Crox, Commr., plans widening Cherry St., north of Seventh.

Tenn., Chattanooga—City, Roger Crox, Commr., plans extending Tenth St., Market to Broad; 50-ft. wide.

Tenn., Greenville—Dept. of Highways and Public Works, Nashville, allotted \$15,000 to supplement \$30,000, recently proposed by Greene County Court, to improve road from Bulls Gap, through Lick Creek Valley to Kingsport.

Tenn., Memphis—City, D. C. Miller, Clk., considering graveling Wisconsin Ave., Riverside Blvd. to river.

Tenn., Murfreesboro—Dept. of Highways and Public Works, Nashville, plans receiving bids for Sam Davis Highway, connecting town of Smyrna with Route 1 near Laverne, Rutherford County.

Tenn., Nashville—Dept. of Highways and Public Works, plans developing Alvin C. York Highway from Nashville, Davidson County to Jamestown, Fentress County; conc. from Nashville to Wilson County line; grade and drain Wilson County section to Lebanon, preparatory to paving; Lebanon to Carthage, improve present surface; conc.

road from Carthage to Cookeville; widen and improve surface from Chestnut Mound to Gainesboro, via Granville.

Tex., Benjamin—Knox County, Oliver W. Lee, Judge, plans 13.181 mi. grading, bridges, Highway 30, Baylor County line to Haskell County line; S. H. Kerr, Res. Engr.

Tex., Boston—State Highway Comm., Austin, plans asphalt Highway 5, Bowie County.

Tex., Bryan—City, J. Bryan Miller, Mgr., considering paving Bryan and Washington Aves., Nineteenth and Fifteenth Sts.; \$38,000.

Tex., Cameron—Milam County, Jeff T. Kemp, Judge, plans 4.555 mi. grading, bridges, Highway 43, Thorndale to Road Dist. 10 line; A. F. Mitchell, County Engr.

Tex., Cameron—Milam County, Jeff T. Kemp, Judge, plans 6.079 mi. grading, bridges, Highway 43, Williamson County line through Thorndale to Federal Aid Project 494-A; A. F. Mitchell, Engr.

Tex., Clarendon—Donley County, J. R. Porter, Judge, plans \$250,000 road building. See Financial News.

Tex., Comanche—Comanche County, R. A. Luker, Judge, plans 9.685 mi. grading, bridges, Highway 10, Comanche to Brown County line; O. M. Simpson, Engr.

Tex., Cuero—State Highway Comm., Austin, plans receiving bids soon for Highway 72, Yorktown Dist., DeWitt County.

Tex., Dallas—City, E. R. Burt, Mayor, plans widening to 70 ft. Lamar St., Pacific to McKinney Ave., and McKinney Ave., Lamar to Orange St.

Tex., Del Rio—Val Verde County, W. F. Littleton, Judge, and State Highway Comm., Austin, plan 12 mi. 30-ft. grading and drainage structures; \$240,000; John Stovall, Engr., preparing plans.

Tex., Edna—Jackson County Commrs., plan expending \$50,000 toward Hug-the-Coast Highway. See Financial News.

Tex., Edna—State Highway Comm., Austin, may receive bids soon for grading and draining, State Highway 12, Jackson County, from Ganado to city limits of Edna; from city limits of Edna to Victoria County line.

Tex., Galveston—Galveston County Commrs., John M. Murch, County Auditor, considering 3 roads: Highway 58, along Santa Fe R. R.; Texas City cut-off road; Bolivar-High Island Highway.

Tex., Hallettsville—Lavaca County plans \$200,000 roads in Shiloh Road Dist. See Financial News.

Tex., Hempstead—Waller County plans expending \$200,000 to improve Highway 6 in Precinct 1. See Financial News. 6-21

Tex., Houston—Harris County, Norman Atkinson, Judge, plans 2.028 mi. grading, bridges, Highway 3, end of Federal Aid Project 512-A, to Crosby road; A. J. Wise, County Engr.

Tex., Kountze—Hardin County plans 2.337 mi. grading, bridges and shell surfacing, Highway 40, Hester Switch to Long Station; C. P. Hunter, Res. Engr.

Tex., Hallettsville—Lavaca County, C. L. Stavino, Judge, plans 8.088 mi. conc. pavement, Highway 72, Hallettsville—Yoakum road, Dist. 2, Hallettsville to Old Sweet Home, about 1.5 mi. from Road Dist. line; \$205,000; W. H. Koether, County Engr., Yoakum.

Tex., Hallettsville—City plans expending \$75,000 to pave courthouse square and one block each way from square; 2 streets to railroad depot. See Financial News.

Tex., Karnes City—Karnes County, D. O. Klingeman, Judge, plans 5.740 mi. grading, bridges, Highway 16, San Antonio-Karnes City-Beeville road, from Wilson County line south; E. L. Marek, County Engr.

Tex., Nacogdoches—State Highway Dept., Austin, appropriated funds to hard surface and gravel Nacogdoches-Henderson Highway, Nacogdoches to County line; widen to 80 ft.

Tex., Palestine—Anderson County, E. H. Shelton, Judge, plans 8.448 mi. grading, bridges, Highway 43, Palestine to Tucker; 171-ft. conc. bridge; \$54,200; C. H. Kendall, Res. Engr.

Tex., Palestine—State Highway Comm., Austin, plans letting contract about Aug. 1 to pave Palestine-Elkhart road, Anderson County; E. H. Shelton, County Judge.

Tex., Panhandle—Carson County, A. A. Callaghan, Judge, plans 14.730 mi. grading, bridges, and bit. macad. surface, Highway 117, point north of Panhandle to Hutchinson County line; E. M. Fuller, Res. Engr.

Tex., Port Lavaca—Calhoun County, E. M. Tanner, Judge, plans grading, bridges, shell base, Highway 57, Guadalupe River to Green Lake, Nagle-Witt-Rollins Engineering Co.

Tex., Rusk—Cherokee County, J. J. Bolton, Judge, plans 19 mi. grading, draining, Highway 43, Jacksonville-Palestine road, Anderson County line to Jacksonville; G. A. Bracher, Res. Engr.

Tex., Vernon—Wilbarger County, J. V. Townsend, Judge, plans 6.318 mi. grading, bridges, Highway 5, from point east of Tolbert to Hardeman County line; John B. Nabors, County Engr.

Tex., Zapata—State Highway Comm., Austin, ordered survey of road, from Webb County line, through Zapata County to Starr County line; T. E. Huffman, Webb County Engr., making survey.

Virginia—State Road Comm., Richmond received low bids for 2 roads and 2 bridges; Page County—3.5 mi. bit. macad., Route 251, from Newport, Pendleton Construction Co., Wytheville, \$46,560; Charlotte County—17 mi. soil, Route 20, from point east of Phoenix, J. Hicks & Bro., Erington, \$7,310; Madison County—conc. bridge over Hughes River, Route 16, Peoples Mills, T. A. Loving & Co., Goldsboro, N. C., \$13,311; Pittsylvania County—conc. bridge over Cherrystone Creek, Route 14, near Chatham, Haymes Construction Co., Chatham, \$6,018. 6-28

Va., Hopewell—City Council plans street building. See Financial News.

Va., Portsmouth—Norfolk County Roads and Bridges Comm., plans street improvement in Highland Park; R. B. Preston, County Engr.

W. Va., Elizabeth—Wirt County plans \$37,000 for road building in Reedy Road Dist. See Financial News.

W. Va., New Martinsville—Wetzel County Court, G. A. Harman, Clk., receives bids July 21 for 2½ mi. surfacing, Project 3-A, and 3 mi. Project 3-B.

W. Va., Wellsburg—Brooke County Court considering \$400,000 to improve Cross Creek Dist. roads; \$350,000, Buffalo Dist. roads. See Financial News.

#### Contracts Awarded

Ala., Foley—Town let contract to J. Hilliard Hancock & Co., Mobile, \$17,000, for 12,000 sq. yd. sidewalks, 1500 yd. street paving. 6-7

Ark., Conway—Newell Contracting Co., Martin Bldg., Birmingham, Ala., has contract to grade and drain Highway 25, Faulkner County, between Wooster and Cleburne County line.

Fla., Bradenton—Manatee County Commrs., let contract to Deen & Yarbrough, Barnett Bldg., Bradenton and Jacksonville, \$196,050, for 0.25 mi. conc. Bayshore road, Palmetto to Hillsborough County line. 6-21

Fla., Orlando—City Commrs. let contract to Langston Construction Co., 26 Wall St., Orlando, \$14,216, to pave East Central Ave., Fern Creek Drive to Bumby St.

Fla., Orlando—Orange County Commrs., B. M. Robinson, Clk., let contract to Hutton Construction Co., Sanford, for roads in 5 districts, totalling about 42 mi.

Ga., Baxley—City, Gladys Holton, Clk., let contract to Murray Construction Co., Holston Bk. Bldg., Knoxville, Tenn., for asphalt paving, cement sidewalks, curbing. 7-5

Ga., Fitzgerald—City let contract to Inglis Construction Co., Graham Bldg., Jacksonville, Fla., to pave West Central Ave. 6-28

Ga., Jackson—City let contract to Davis Construction Co., Walton Bldg., Atlanta, \$143,193, to pave streets in business dist. 6-21

Ga., Savannah—Espy Paving and Construction Co., 6 E. Bay St., have contract to pave Thirty-seventh St.; E. R. Banks, City Comptroller.

Kentucky—State Highway Comm., Frankfort, let contract to Perkins, Darnell & Williams, Hodgenville, \$12,796, for 2.889 mi. trafficbound limestone, Rockport—Beaver Dam road, Ohio County.

La., New Orleans—City let contract to Gano & Harris, Maison Blanche Bldg., for temporary surfacing, Gladiolus St., Clematis to Franklin Ave.

Miss., Columbia—City let contract to Southern Clay Paving Co., Volunteer Bldg., Chattanooga, Tenn., \$20,000, to pave Main St., Dale to Lafayette. 6-21

Miss., Jackson—City Comm. let contract to Merrill Engineering Co., Lamar Bldg., to pave High, Mississippi and Amite St.

Missouri—State Highway Dept., Jefferson City, let contracts for 20 roads and bridge: Jasper County—1.413 mi. 18-ft. chat, Route 71, List & Weatherly, Kansas City; Benton County—2.520 mi. 30-ft. graded earth, Route 65, A. W. Mosley, 5005 Troostwood Road, Kansas City; 4.733 mi. and 4.732 mi. 30-ft. graded earth, Routes 65 and 54, John Spitaufsky, 2452 Benton Blvd., Kansas City; New Madrid County—4.938 and 3.289 mi. 30-

ft. graded earth, Route 41, A. A. Davis & Co., City Bank Bldg., Kansas City; Pemiscot County—288 mi. 30-ft. graded earth, Route 61, A. A. Davis; Phelps County—1,653 mi. 18-ft. gravel and 25-ft. conc., Route 63, M. E. Gillioz, Monett; St. Francois County—1,673 and .098 mi. 18-ft. conc., Route 32, Millers Garage, Inc., 1717 Park St., St. Louis; Stoddard County—3,835 and 1,135 mi. 18-ft. conc., Route 25, Chas. E. Hamilton, Carbondale, Ill.; Bollinger County—2,803 mi. 18-ft. gravel, Route 51, M. C. W. Construction Co., Jackson, Mo.; Monroe County—4,372 mi. 18-ft. gravel, Route 24, Graham Bros., Leeds, Mo.; Putnam County—4,128, 4,795 and 4,480 mi. 18-ft. gravel, Route 4, Millers Garage, Inc.; Bollinger County—1,623 mi. 24-ft. graded earth, Route 51A, Carte-Harlin Co., West Plains, Mo.; Nodaway County—473 mi. 30-ft. graded earth, Route 18, Geo. W. Condon Co., Omaha, Neb.; Cape Girardeau County—582 mi. 30-ft. graded earth, Route 61, Penzel & Lemaster, Jackson, Mo.; Holt County—bridge on .183 mi. Route 1, Geo. W. Condon Co. 6-28

Miss., West Point—City let contract to Brannin & Son, Aberdeen, for conc. curbs and gutters.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, let contract to Kelly Welsh, 1122 E. Gillham road, \$32,359, for 8-in. conc. paving, Seventy-fifth St., Wornall road to Oak St.; to J. A. Tobin, 5524 Mission road, \$30,175, to pave Seventy-fifth St., Oak to Troots Ave.

Mo., Kirkwood—City, W. J. Donworth, Clk., let contracts, \$33,482, to pave 13 streets; Independent Asphalt and Construction Co., 5523 Manchester Ave., St. Louis, amaseo paving; Industrial Track Construction Co., Title Guaranty Bldg., St. Louis, rock-hill paving; Bangert Bros. Construction Co., 44A S. Florissant road, bit. macad. and tarvia; Fehlig-Perrenbach, Inc., 3500 Hickory St., St. Louis.

Mo., Poplar Bluff—Roy Williams has contract, \$90,000, for 6 mi. paving, and remainder graded and graveled, Highway 53, Poplar Bluff to St. Francis River.

Okla., Geary—City let contract to Ward-Beckman & Brooks, 1801 E. Ninth St., Oklahoma City, \$28,006, for 6500 sq. yd. grading, conc. paving, South Broadway.

Okla., Guthrie—City, George L. Anderson, Clk., let contract to Cudgel Construction Co., Stillwater, for 6-in. plain conc. paving.

Okla., Lawton—State Highway Comm., Oklahoma City, let contract to Hyde Construction Co., American Bank Bldg., Enid, \$151,216 for 56,117 sq. yd. Federal Aid Project 145-B, Comanche County.

Okla., Muskogee—City let contract to Ellis & Lewis, Surety Bldg., for 7940 ft., 16, 18 and 20-ft. paving, 17,000 sq. yd. bates type conc.; Hugh Dickson, City Engr. 6-7

Okla., Norman—City let contract to Baum & Dyer, Durant, \$29,018, for 9600 sq. yd. grading, conc. paving, Normal Blvd.

Okla., Oklahoma City—Oklahoma County Commrs. let contracts for 6 roads totaling 27 mi. gravel roads; 8 mi. west of Edmond, to Maney & Alley Co., \$67,506; 7 mi. Ave. E, \$53,021; 7 mi. grading, draining Ave. G, \$24,544; Eastern Ave., north of Lincoln Park road to Sixty-third St., \$12,963; 3 mi. gravel Sixty-third St. east from Eastern, all to Green-Boots Construction Co., 519 1/2 W. Main St., \$22,335; 8 mi. West Tenth St., west to county line, Swatek Construction Co., \$52,000; R. V. Carlson, County Commr.

Okla., Shawnee—City, J. C. Coleman, Clk., let contract to H. L. Cannady Co., 1116 S. Lewis St., Tulsa, \$68,344, for 2-in. rock asphalt paving, 5-in. conc. base, Dist. 63.

Okla., Tulsa—City Comm. plans paving Atlanta Ave., Thirteenth St. to Thirteenth Place; B. M. Hart, City Engr.

Tenn., Trenton—Kit Davis Construction Co., Humboldt, has contract to grade, Humboldt-Medina road, Gibson County.

Tex., Dallas—City Comm., E. R. Burt, Mayor, let contract to Smith Bros., Inc., American Natl. Bank Bldg., \$19,348, to pave Orange St., McKinney Ave. to Cedar Springs; to Fuller Construction Co., 409 Southwestern Life Bldg., \$81,060, to pave Cedar Springs from Orange to Maple Ave.

Tex., Fort Worth—City, O. E. Carr, Mgr., let contracts, \$48,131, for paving; Colglazier, Hoff & Everett, 125 Crosby St., San Antonio, for 4 streets; Hughes & Everett for alley between Weatherford and First.

Tex., Houston—Harris County Commrs. Court, Norman Atkinson, Judge, let contracts for 2 roads; 9 mi. surface treat, Seabrook loop, F. L. Scott, \$9101; 2 1/2 mi. grading, graveling Richmond road, Bray's Bayou to Boone road, A. Bailey, \$9906.

Tex., Waxahachie—Cocke & Turner, Marshall, have contract, \$117,000 for 80 mi. bit. on gravel macad., Dist. 1.

Virginia—State Highway Comm., Richmond, let contract for road and bridge: Arlington County—2 mi. 28-ft. sheet asphalt roadway, Key Bridge to Cherrydale, Carson Gruman Co., Inc., 33rd & K St., N. W., Washington, D. C., \$105,472; Sussex County—bridge over Stony Creek, Route 24, Bowers & Bennett, Wytheville, N. C., \$14,442.

W. Va., Charleston—Kanawha County Court let contract for 4 roads: 1/2 mi. 16-ft. conc. Elkview-Pinch road, Brown & Floyd, Lowenstein Bldg., Charleston, \$13,126; 1.72 mi. 16-ft. cement conc., Bream-Indian Creek road, Brown & Floyd, \$39,442; 2 mi. 14-ft. cement conc., Coopers Creek road, Brown & Floyd, \$46,667, conc. pipe drainage, \$46,592, vitrified pipe drainage; 1.6 mi. 16-ft. cement conc., Charleston-Bream road, Harrison & Dean, 2840 Third Ave., Huntington, \$40,916. 6-28

W. Va., Fairmont—Marion County let contract to R. W. Fimble, Water St., \$47,088, for 7-in. limestone aggregate conc. paving, Bentons Ferry road; A. Shuttle, 213 McKinney St., Fairmont, \$42,041, Colfax road.

W. Va., Princeton—Mercer County Court let contract to Patsy Small Construction Co., 507 Powell St., Bluefield, \$17,737, to grade and drain Lorton's Lick road, from Mont-calm to Bluefield-Bramwell road.

### Sewer Construction

**Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.**

Ala., Birmingham—See Roads, Streets, Paving.

Ala., Columbiana—Town Council receives bids Aug. 3 for constructing sanitary sewers under Improvement Ordinance No. 101. See Want Section—Bids Asked.

Ky., Danville—See Roads, Streets, Paving.

La., Ferriday—City, P. H. Corbett, Mayor, plans sewer improvements.

La., New Orleans—Sewerage and Water Bd. of New Orleans, Room 401, 526 Carondelet St., receives bids Sept. 6 turbine and pumps for drainage system. See Want Section—Bids Asked.

Miss., Columbia—See Roads, Streets, Paving.

Miss., Iuka—Bd. of Aldermen let contract at \$22,000 to Kirkpatrick Construction Co., Florence, Ala., for sewerage system.

Mo., Oak Grove—See Water Works.

Mo., St. Louis—See Roads, Streets, Paving.

N. C., High Point—See Water Works.

N. C., Highlands—Town, A. L. Fox, Mayor, plans \$65,000 bonds for sewer system. See Financial News.

Okla., Antlers—City plans 12,000 ft. 10-in. vitr. clay sewers in East Main St.; cost \$26,000; J. C. Milliken, Engr., Continental Bldg., Oklahoma City.

Okla., Clinton—City, W. A. Shouse, Clk., construct extensions to sewer system; Benham Engineering Co., Consol. Engr., Gumbel Bldg., Kansas City, Mo.

Okla., Davenport—City plans sewer extensions, cost \$30,000; C. A. Wood, Engr., Stillwater.

Okla., Duncan—City plans 16,650 ft. 8 and 10 in. sewers in Country Club Addition; cost \$27,000; H. J. Wilkins, Engr.

Okla., Hinton—City having estimates on \$30,000 sewer prepaid; Coon & McKinnon, Engrs., 1301 W. 21st St., Oklahoma City, 7-5

Okla., Hooker—City plans sewerage system, cost \$55,000; Benham Engineering Co., Engr., Gumbel Bldg., Kansas City, Mo.

Okla., Oklahoma City—City construct sanitary sewers in Fourth, Easton and Prospects St.; cost \$40,000; W. W. Small, Engr.

Okla., Shawnee—H. L. Cannady Co., 1116 S. Lewis St., has contract at \$11,670 for sanitary sewer in Dist. No. 112.

S. C., Charleston—See Roads, Streets, Paving.

Tenn., Knoxville—City, Otto Roehl, Mgr., call bids soon for sanitary sewer through 25th ward in South Knoxville.

Tex., Holland—See Water Works.

Tex., Houston—City, O. F. Holcombe, Mayor, receives bids Aug. 15 for storm sewer on Yale St., approximate quantities: 2000 ft. 15-in. and 300 ft. 18-in. sewer pipe; 300 ft. 36-in., 670 ft. 42-in., 2340 ft. 78-in. and 1250 ft. 84-in. monolithic conc. sewer; 100 ft. 48-in., 1340 ft. 54-in., 670 ft. 66-in. and 670 ft. 72-in. monolithic sewer; 14 storm sewer manholes; 44 storm sewer inlets. Storm sewer

in a large gully between Oxford St. and Beverly, approximate quantities: 1600 ft. 15-in. sewer pipe; 200 ft. 18-in., 120 ft. 36-in. monolithic conc. sewer; 60 ft. 42-in., 1300 ft. 48-in., 1300 ft. 60-in., 2880 ft. 72-in. monolithic sewer; 14 storm sewer manholes; 40 storm sewer inlets; plans from office of City Engr.

Tex., Marlin—City Council receives bids Aug. 7 for constructing 2 tanks Imhoff and 1 inlet tank. See Want Section—Bids Asked.

### Shipbuilding Plants

Texas—State Railroad Comm., Austin, granted permission to Robt. P. Durham, Chicago, for permission to acquire 200 acres state land on Harbor Island, Nueces County, site for \$12,000 marine railway and repair plant.

### Telephone Systems

Fla., Homestead—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., applied to Interstate Commerce Comm. for permission to acquire telephone properties of Homestead Telephone Co.

Mo., Jefferson City—Capital City Telephone Co. increased capital, \$50,000 to \$100,000. 7-12  
N. C., Highlands—Western Carolina Telephone Co., Franklin, acquired Highlands Telephone Co.

Okla., Marlow—Southwestern Bell Telephone Co., St. Louis, erecting building; Whitener & Wilson, Contr., Lawton.

### Textile Mills

Ga., Americus—Dennie Silk Mills, M. C. Dennie, Pres., Gloversville, N. Y., moving to Americus, and will be known as Sumter Rayon Mills; will erect 50x120, 2-story building.

Ga., Royston—Sam Bowers, J. M. Batson, and others, members of organization committee to apply for charter and erect building for Royston Spinning Mill.

Ga., Newnan—Park Mfg. Co., Charlotte, N. C., has contract for freight elevator for Araco Mills; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 5-3

Ga., Shannon—Southern Brighton Mills let contract to A. K. Adams & Co., 542 Plum St., N. W., Atlanta, for mill units, addition to main cotton mill and 3 warehouses; J. E. Sirrine & Co., Engrs., Greenville, S. C. 7-5

Ga., Scottdale—Geo. W. Scott Investment Co. receives bids July 23 for constructing extension to Scottdale Mills; 2 stories and basement, 249x105 ft., rein. conc., brick walls, struct. steel trusses, tar and gravel roof; following contractors estimating: Norwood Griffin Co., Bona Allen Bldg.; Flagler Co., Red Rock Bldg.; A. K. Adams, 542 Plum St., all Atlanta, Ga.; Gallivan Building Co., Gallivan Bldg.; Potter-Shackelford, Inc., Allen Bldg.; Fiske-Carter Construction Co., Masonic Temple Bldg., all Greenville, S. C.; Southeastern Construction and Supply Co., Johnston Bldg., Charlotte, N. C.; J. E. Sirrine & Co., Engrs., Greenville, S. C.

North Carolina—Cannon Mills Co., Kannapolis, offering 187,378 shares of common stock (without par value) through National City Co., New York and Baltimore; company has acquired through consolidation all assets of Cannon Mfg. Co. and 8 other predecessor companies engaged in manufacture of cotton towels, yarns, tire fabrics, sheetings, rayon fabrics, madrases, armor cloth, etc. 7-12

N. C., Leaksville—Marshall Field Mills Corp. let contract to J. M. Hopper Construction Co. for 1-story building, 100x150 ft.; to John Smith for 60x100-ft. warehouse. 6-28

N. C., Burlington—Sharpe & Bryan have contract for building under construction for May Hosiery Mills, Inc. 5-17

N. C., Greensboro—Meyer and Samuel Grobart and Joseph Lebauer, all Paterson, N. J., will lease plant at Bruce and Oakland Sts., to be constructed by Richardson Realty Co., Inc., Pomona, N. C., to house silk throwing plant, 60x200 ft., with office 31x32 ft.; install machinery, cost \$100,000; building cost \$40,000; Harry Barton, Archt.; Burns-Hammond Construction Co., Contr., both Jefferson Bldg.; also have taken option on land adjoining plant and will expand plant when necessary.

N. C., Tarboro—Following contracts let for Hart Cotton Mills: Complete power and light wiring installation to R. H. Bouligny, Inc., 27 W. First St., Charlotte, N. C.; motors and transformers, Carolina Electrical Equipment Co., Inc., 408 W. Davis St., Raleigh, N. C.; transmission material, Bond Foundry & Machine Co., Manheim, Pa.; heating system, W. T. Branson, Inc., 2 1/2 E. Fourth St., Charlotte, N. C.; Lockwood, Greene & Co., Engrs., Charlotte. 6-21



S. C., Gaffney—Grinnell Co., 30 E. Fourth St., Charlotte, N. C., has contract for underground material for Gaffney Mfg. Co.; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 5-31

S. C., Spartanburg—McClelland Co., Wilder Bldg., Charlotte, N. C., has contract for complete sewerage and water installation for Powell Knitting Company's plant extension; Lockwood, Greene & Co., Engrs., Charlotte, N. C. 6-21

Tenn., Chattanooga—A. M. Bryant and H. T. Bryant, Sr., interested in erecting \$50,000 full fashioned hosiery mill near Southern R. R. overhead crossing on Long St.; 1 story, 60x120 ft., brick; Rogers & Leventhal, Inc., Contrs., 822 E. 11th St. 7-12

Tenn., Dyersburg—Adrian Knitting Mills have plans well under way and expect to let contracts in four weeks for \$350,000 unit; Main building, boiler room, 2 warehouses, mill village; rein. conc. and brick, built-up roof, conc. and maple floors, sprinkler system; Robert & Co., Inc., Engrs., Atlanta, Ga. 7-12

Tex., Dallas—Morten-Davis Hosiery Mills, 800 Jackson St., erect building 105x156 ft., and dye house 45x45 ft.; steel and conc. construction, cost \$55,000; have daily capacity of 200 doz. pairs; install 12 knitting machines; plant to be electrically operated; cost of machinery \$120,000; W. Scott Dunne, Archt.-Engr., Melba Bldg.; C. A. Fuess & Co., 1910 St. Paul St., has contract for buildings; Austin Bros., 1815 Coombs St., have contract for machinery. 7-12

Va., Staunton—Chamber of Commerce negotiating with outside interests for establishing artificial silk industry in or near here.

### Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Fla., Tallahassee—City Comm. let contract to Central Foundry Co., Bessemer, Ala., for 10,000 ft. of pipe; \$12,000.

Ga., Barnesville—City, E. L. Coleman, Mayor, let contract to Arthur Pew, Jr., Red Rock Bldg., Atlanta, for \$30,000 water works improvements; 3000 ft. 8-in. c. l. pipe; Murphy Equipment Co. furnish 2 centrifugal motor driven pumps; Wiedeman & Singleton, Engrs., Candler Bldg., Atlanta. 6-21

La., Lafayette—City plans issuing \$150,000 certificates of indebtedness for \$125,000 filtration plant and \$25,000 water extensions. See Financial News.

La., Mansfield—Town receives bids Aug. 2 for extension of water system; 11,330 lin. ft. 4-in. and 2830 lin. ft. of 6-in. cast iron pipe; 23 4-in. and 6 6-in. fire hydrants; 30 4-in. gate valves; 11 6-in. gate valves; 30 4-in. valve boxes; 11 6-in. valve boxes; plans from office of J. S. Ament, Engr.

Md., Baltimore—City, Edward G. Rost, Engr., Bureau of Water Supply, making survey of upper Patapsco River with view to future increase of water supply.

Miss., Edwards—City let following contracts for \$20,000 water system: Construction, B. E. Walker Construction Co., 183 Glenmary St., Jackson; machinery, Layne-Central Co., Memphis, Tenn.; tower and tank, Chicago Bridge and Iron Co., Chicago, Ill.; 2000 ft. 6-in. and 12,000 ft. 2-in. c. l. pipe with Universal joints, well and pump, elevated tank; Morgan & Co., Engrs., Jackson. 7-5

Miss., Wesson—Town, J. K. Patterson, Clk., probably open bids early in August for \$10,000 water works extension; includes pumping and chlorination plant, 6000 ft. 6-in. mains; M. L. Culley, Engr., First Natl. Bank Bldg., Jackson. 6-21

Mo., Oak Grove—City improving water-works and sewers; cost \$15,000; Burns & McDonnell Engineering Co., Interstate Bldg., Kansas City.

Mo., Perryville—City let contracts to Merkle Contracting Co., City Bk. Bldg., Kansas City, and J. S. Schofield Sons Co., Macon, Ga., connection with water works system; cost \$91,000.

Mo., Poplar Bluff—City, C. M. Hamen, Clerk, plans water works improvements; dig wells or install filtration plant; J. N. Chester Engineers, Engrs., Union Bank Bldg., Pittsburgh, Pa. 7-12

Mo., St. Louis—Water Dept., L. Day, Commr., soon receive bids for water meters and equipment; cost \$50,000.

N. C., Asheville—City let contract to Kelly-Wilson & Co. at \$18,900 for water extensions.

N. C., High Point—City Council receives bids July 24 for water and sewer improvements. See Want Section—Bids Asked.

Okla., Chickasha—City plans \$350,000 bonds for water works. See Financial News. 6-28

Okla., Guthrie—City, Geo. M. Anderson, Clk., plans improving filter and pumping plant; Benham Engineering Co., Engrs., Gumbel Bldg., Kansas City, Mo.

Okla., Hobart—City, C. R. Williams, Clk., plans extending water mains and remodeling pumping plant; Benham Engineering Co., Engrs., Gumbel Bldg., Kansas City, Mo. 7-5

Okla., Mangum—City voted \$35,000 bonds for water softening plant. See Financial News. 6-14

Okla., Newcastle—City plans water works system; cost \$18,000; E. W. Gantt Co., Engr., Continental Bldg., Oklahoma City.

Okla., Ponca City—City plans water main extension Otee, Black, England and Kay Sts.; cost \$20,000; H. W. Crawford, Engr.

S. C., Greenville—City let contract to W. S. Lee, Charlotte, N. C., for rebuilding part of Table Rock Cove water reservoir dam; cost between \$50,000 and \$100,000. 5-17

Tenn., Pulaski—Town plans purchasing 250 water meters.

Texas—General Water-works Corp., organized under laws of Delaware, to acquire all capital stock and obligations, of various companies in Idaho, Texas, Indiana, Michigan, Kentucky and Pennsylvania; operating companies of new system will be: Boise Water Corp., in Idaho; Breckenridge Water Co., Breckenridge, Tex.; Jersey Shore Water Service Co., Portage Water Co., Lloydell Water Co., all Pennsylvania; Indiana Water Service Co., Indiana and Michigan; Winchester Water Works Corp., Winchester, Ky.; Texas Water Utilities Co. of Texas, 111 W. Monroe St., Chicago, Ill.; company will offer \$5,600,000 of 15 year 5%, first lien and collateral trust bonds, Series A, and \$1,650,000 of 3½ year 6% convertible debentures, Series A, through Howe, Snow & Co., Inc., New York; E. H. Rollins & Sons, Boston; H. M. Byllesby & Co., Inc., Chicago.

Tex., Boerne—City, R. L. Hickman, Mayor, receives bids Aug. 8 erecting elevated steel tank and tower. See Want Section—Bids Asked.

Tex., Coahoma—City votes July 17 on \$22,000 water bonds. See Financial News.

Tex., Dallas—City, M. G. James, Sec., receives bids Aug. 10 for \$4,000,000 water works improvements; \$1,200,000 filtration plant, \$800,000 pumping station, \$2,000,000 distribution system; Fuller & McClintock, 170 Broadway, New York, and David Morey, Jr., Praetorian Bldg., Dallas, Consit. Engrs. See Want Section—Bids Asked.

Tex., Dallas—City, J. B. Winder, Chief Engr. Water Dept., will receive bids Aug. 8 for \$4,000,000 water works improvements; \$1,200,000 filtration plant, \$800,000 pumping station, \$2,000,000 distribution system; Fuller & McClintock, 170 Broadway, New York, and David Morey, Jr., Praetorian Bldg., Dallas, Consit. Engrs.

Tex., Holland—Town voted bonds to drill deep water well, sewer system and for fire protection; receiving bids for drilling well.

W. Va., Middlebourne—City plans improving water works.

Tex., Port Neches—City soon receive bids on water works improvements; cost \$45,000; H. L. Thackwell, Engr., Jacksonville.

W. Va., Bramwell—City voted \$30,000 bonds for water work system.

W. Va., Romney—Gordon & Plessinger has contract for \$27,000 filtration plant; Roberts Filter Co., Darby, Pa., furnish equipment; J. Paul Blundon, Engr., Keyser. See Want Section—Machinery and Supplies.

### Woodworking Plants

Mo., Poplar Bluff—Dalton-Baldwin Furniture Co., incorporated; Grover W. Dalton, W. F. Baldwin.

Va., Pulaski—Boards of Directors of Coleman Furniture Corp. and Pulaski Furniture Co., Inc., to consider proposed merger to be submitted to stockholders of both corporations Aug. 1.

## FIRE DAMAGE

Ark., Jacksonville—R. W. Hall's cotton gin; loss \$10,000.

Ark., Pine Bluff—Cook Bahlau Grain Co.'s elevator in East Pine Bluff.

Fla., Jacksonville—W. C. Rivers Carriage Co.'s building, 623-25 Houston St.; loss \$35,000.

Ky., Franklin—Turner & Biggs' dry goods store; building owned by Joseph and B. V. Hunt; loss \$17,500.

Ky., Lexington—Mrs. Bessie White's residence.

La., New Orleans—Trivers Clothing Store, 210 St. Charles St., owned by Pokorny Estate; loss \$10,000.

Md., Baltimore—Dr. Howard A. Kelly's residence, 1406 Rutaw Place; loss \$10,000 to \$20,000.

Md., Baltimore—T. C. Davis Coal & Wood Co.'s yard, west of Old Clipper Mill Rd.

Md., Dundalk, Br. of Baltimore—Former shipyard of Maryland Shipbuilding Co.; loss \$34,000; Franko Brothers Co., owners, Toronto, Canada.

Miss., Sturgis—Brooks Lumber Co.'s yard.

Mo., East Prairie—People's Gin Co.'s gin; loss \$26,000.

Mo., St. Louis—Laclede Packing Co.'s plant, 3801 Lucky St.; loss \$12,000.

Mo., St. Louis—Third Baptist Church, Grand and Washington Bldgs.; loss \$50,000 to \$80,000; A. W. Payne, Chmn., Bd. of Trustees.

N. C., Charlotte—McDonald's Service Station, Wilkes Place and W. Fifth St.; loss \$10,000.

S. C., Society Hill—Welsh Neck Baptist Church. Address The Pastor.

Tex., Athens—Williamson Hotel; Deen Hotel; loss \$25,000. Address The Proprietors.

Tex., Beeville—Luz Alanis' Dance Hall in South Beeville.

Tex., Dallas—A. and K. Auto Top & Paint Co.'s plant; loss \$50,000.

Tex., Sour Lake—Hankamar Mercantile Co.'s store; Paul White's grocery store; residence owned by Ambrose Merchant, Post-Dispatch Bldg., Houston; loss \$50,000.

Tex., Tyler—Swann Building owned by E. E. Swann and E. R. Baldwin.

Va., St. Charles—Old Dominion Power Co.'s plant at The Pocket near St. Charles; loss \$250,000.

W. Va., Athens—J. F. Gillespie, L. D. Parker & Sons Co.'s stores; Barbary Store; Athens Methodist Church; loss \$20,000.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Fla., West Palm Beach—Ancient Free and Accepted Masons, Geo. W. Brown, Chmn., Bldg. Comm., remodel temple, Clematis St.; Bruce Kitchell, Archt., 105 N. Palm Beach Ave.

La., Alexandria—Knights of Columbus receive bids Aug. 1 at office W. F. Chapman, Pres., Columbian Catholic Assn., for hollow tile, brick and stucco lodge building; 2 stories, conc. foundation, metal and wood lath,

comp. shingle and tile roof; Wm. R. Burk, Archt., Balter Bldg., New Orleans; estimators lately noted. 7-12

Miss., Woodville—Ancient Free and Accepted Masons plan \$40,000 temple; brick, 2 stories.

Mo., Joplin—Young Women's Christian Assn., Miss Hettie J. Wearan, Gen. Sec., plans building.

Tex., Orange—American Legion, Hunter Huddle, Post Commr., plans clubhouse.

## Bank and Office

D. C., Washington—Riggs National Bank erect \$45,000 office building, 1413 Park Road, N. W., after plans by Geo. N. Ray, Archt., 1219 Connecticut Ave., N. W.; brick, 3 stories. 7-5

Ga., Monroe—Farmers Bank, John M. Nowell, Pres., remodel building.

La., New Orleans—Pyramid Homestead Assn., L. L. & G. Bldg., purchased building, 629-31 Common St.; expend \$15,000 to remodel.

Mo., Carthage—Union Trust Co., F. M. Clayton, Chmn. of Bd., plans \$70,000 bank and office building, Fourth St.; 2 stories, Carthage marble.

Mo., Kansas City—A. A. Smith, 1895 Minnesota Ave., probably soon call for bids to remodel Sweeney Bldg., Pershing Road and Wyandotte St.; \$500,000, install 3 elevators, power plant, filtration and cooling system for water, marble walls and floor in entrance, marble dressing rooms for women on eighth floor and for men on ninth; C. A. Smith, Archt.; G. E. McIntyre, Engr., both Finance Bldg. 7-12

Mo., St. Louis—W. P. Alexander, Cincinnati, O., heads syndicate that acquired site on northwest corner of Ninth and Chestnut Sts., plans \$300,000 store, office and garage building; 8 stories and basement. See Construction News—Motor Cars, Garages, Filling Stations.

N. C., Elizabeth City—Dr. W. W. Sawyer and Dr. R. L. Kendrick erect \$35,000 medical arts building, Colonial Ave. and Elliott St.; rough face brick, 2 stories; laboratories on second floor; soon let contract.

N. C., Raleigh—Capital Club, 14 W. Martin St., reported, erect \$500,000, 14-story building, Martin and Salisbury Sts.; top floor for club, other floors offices. See Buildings Proposed—Miscellaneous.

Tenn., Memphis—Memphis Branch, Federal Reserve Bank of St. Louis, W. H. Glasgow, local Managing Director, receives bids July 24 for stone, brick and rein. conc. bank building, Third St. and Jefferson Ave.; \$400,000, 2 stories and basement, 80x128 ft., marble and tile work, bronze and orn. iron work, comp. roof, steam heat; separate bids for heating and wiring; Mauran, Russell & Crowell, Archts., Chem. Bldg., St. Louis; Jones & Furbringer, Asso. Archts., Porter Bldg., Memphis; W. H. Huff, Struct. Engr., Fullerton Bldg., St. Louis. 6-14

Tex., McAllen—John P. Morris, 809 Brady Bldg., San Antonio, erect brick, tile and rein. conc. office bldg.; 6 stories and mezzanine; stores on first floor and mezzanine, offices above; vault in basement; H. L. Scott, Archt., Brady Bldg.; ready for sub-bids about 10 days on rein. conc. work, tile work, roofing, plastering, decorating, elevators, plumbing, gas steam heating, etc.

Tex., Port Arthur—John R. Adams, Adams Bldg., may erect additional floors to 6-story office building, Fifth and Austin Sts.

## Churches

Ark., Austin—Methodist Church plans brick building; 1 story, about 35x60 ft., pine floors, wood shingle roof, brick foundation.

D. C., Washington—Church of the Redeemer, Rev. M. C. Marsegla, Pastor, 2856 Twenty-eighth St., N. W., erect \$50,000 addition, New York Ave. and Kirby St., N. W.; stone, 1 story; C. West, Archt., 1341 Connecticut Ave., N. W.

Fla., Tampa—Bowman M. E. Church, Colored, plans \$100,000 building; brick and conc.; F. A. Harris, Archt., 301 Lafayette St. Arcade.

Ga., Atlanta—Moreland Avenue Baptist Church, Rev. T. R. Davis, Pastor, 553 Brownwood Ave., S. E., receiving bids for brick building; \$75,000; steam heat; N. Sargent Hamilton, Archt., Wynne-Claughton Bldg.

La., Alexandria—First Christian Church plans to sell present structure, Jackson Ave. and Eighth St., and erect bldg., Jackson and 20th St.

La., Bordelonville—Roman Catholic Church plans brick building. Address The Pastor.

La., Natchitoches—First Baptist Church, Rev. J. V. Tinnin, Pastor, call for bids in few days for brick bldg.; \$100,000, stone trim, rein. conc. foundation, art glass, struct. steel and iron; auditorium seat about 1000; Sunday school accommodate 700; Edw. F. Neild, Archt., City Bk. Bldg., Shreveport. 4-3

La., St. Joseph—Rev. A. D. Langston, Pastor, Baptist Church, Ferriday, interested in erection of church.

Md., Baltimore—Homestead M. E. Church, Taylor and Gorsuch Aves., Rev. W. J. Meeks, Chmn., Bldg. Comm., receives bids July 20 for Sunday school addition; \$50,000, stone, 2 stories, about 45x85 ft., slag and slate roof, steam heat; remodel auditorium, erect tower; John Freund, Archt., 1307 St. Paul St.; following contractors estimating: C. C. Watts, 407 E. 25th St.; B. F. Bennett Building Co., 123 S. Howard St.; Jos. Ritter, 7 Jackson Ave.; Latch Construction Co., 17 Guilford Ave.; E. G. Turner, 2133 Maryland Ave.; C. W. Littleton & Son, 4313 Liberty Heights Ave.; A. Kratz & Sons, 118 S. Carrollton Ave.; Avon Construction Co., 2100 E. North Ave.; G. Walter Tovell, Eutaw and Monument Sts.; H. Clay Lowery, Fourth St. and Chesapeake Ave., Brooklyn.

Md., Salisbury—Asbury M. E. Church, Rev. A. J. Croft, Pastor, remodel and erect addition to church, N. Division St.; stone, 1 story; Norman Huome, Archt., 1524 Chestnut St., Philadelphia, Pa.

Miss., Richton—Baptist Church, Dr. J. E. Green, Chmn., Bldg. Comm., has low bid from W. P. Keeton, Pettal, Miss., for \$20,000 building; E. C. Heaton & Sons, Archts.-Engrs., 201½ W. Pine St., Hattiesburg. 7-12

Miss., Columbia—Baptist Church having plans completed by N. W. Overstreet, Archt., Miss. Fire Bldg., for \$30,000 building; rein. conc., brick, stone trim, 3 stories, rein. conc. foundation, struct. steel and iron work, built-up comp. roof. 4-12

Miss., Silver Creek—Baptist Church, Rev. E. W. Hutson, Pastor, plans building.

Miss., Vicksburg—Presbyterian Church start work in few weeks on \$25,000 Sunday school; 3 stories; R. H. Hull, Archt., Chattanooga, Tenn.

Mo., Cape Girardeau—First Presbyterian Church, Rev. C. H. Morton, Pastor, plans Sunday School.

Mo., St. Louis—Greeley Memorial Presbyterian Church, Rev. F. E. Reiner, Pastor, 4528 Ashland Ave., erect \$100,000 building, 23d St. and St. Louis Ave.; brick, 2 stories; Jamieson & Spearl, Archts., Arcade Bldg.

S. C., Columbia—Shandon and Waverly Methodist Churches will combine; erect building.

S. C., Greenville—Allen Temple, A. M. E. Church, Rev. A. C. Sumpter, Pastor, erect \$35,000 building, Markley St. and Green Ave.; brick, 1 story, 100x65 ft., seat 850, gallery; Juan Molina, Archt., Havana, Cuba; work to start at once.

Tex., Annona—Baptist Church plans \$10,000 building; raising funds. Address The Pastor.

Tex., Beaumont—First Baptist Church, Ben Woodhead, Chmn., Organ Comm., install \$15,000 to \$20,000 pipe organ.

Tex., Fort Worth—Arlington Heights Baptist Church, Dave McGee, Chmn., Bldg. Comm., erect Sunday school.

Tex., Galveston—Central Christian Church plans building. Address The Pastor.

Tex., Galveston—Broadway Baptist Church, Rev. A. Sanders, Pastor, plans auditorium in West End.

Tex., Houston—Rodesel Sholon Congregation, care S. Caplan, 2406 Odin Ave., has low bid from I. Fallis, 2301 Ruth St., for synagogue, Conti and Maury Sts.; L. Gabert, Archt., 1315 Bell St. 7-12

Tex., McAllen—Methodist Church receiving bids for \$60,000 bldg.; conc. frame, brick or stucco on tile, wood joists and floor; Robt. Vogler, Archt., Lipscomb Bldg., Edinburg. 4-26

Tex., Pflugerville—Following contractors estimating on \$30,000 Lutheran Church, bids July 21 by H. F. Kuehne, Archt., Littlefield Bldg., Austin; J. R. Blackmore, 26th and Rio Grande Sts.; W. O. Gustafson, 200 E. 43d St.; C. W. Moore, 609 W. 16th St.; Brydson Bros., 19th and Guadalupe Sts.; Frank R. Rundell, 107 E. Sixth St.; Walter W. Schmidt, 802 Lambie St., all Austin; F. T. Sefcik, Taylor. 7-12

Va., Roanoke—Belmont Presbyterian Church approved plans for \$25,000 Gothic type building, Murray Ave. and Ninth St., S. E.; rough face brick, limestone trim, open timber truss auditorium; assembly room and kitchen in basement; Eubank & Caldwell, Archts., Boxley Bldg.

W. Va., Clarksburg—Broad Oaks M. E. Church, Rev. Wesley Woodruff, Pastor, erect building, Rosemont Ave. and St. Clair St.; auditorium seat 600; classrooms; C. H. Snider, Archt., Professional Bldg., Fairmont.

## City and County

Fla., Clearwater—City Comm. considers erecting \$20,000 auditorium and stadium; tentative plans by Theo. H. Skinner, Archt.

Fla., Pensacola—Escambia County Bd. of Suprs. receives bids July 24 for courthouse repairs; \$10,000; W. W. Alfred, Archt., 1011 E. Jackson St. 4-26

Ga., Atlanta—Additional contractors estimating on \$1,000,000 city hall, bids July 23: General, J. S. McCauley Co., Boma Allen Bldg.; A. J. Krebs Co., Walton Bldg.; Loftis Plumbing Co., 440 Marietta St., N. W.; G. Lloyd Preacher & Co., Inc., Archts.-Engrs., Wynne-Claughton Bldg. 7-12

Ga., Oglethorpe—Macon County Bd. of Commrs. plans election Nov. 6 on \$250,000 courthouse bonds.

Ky., Louisville—Town of Strathmoor Village, near Louisville, C. B. Jenkins, Strathmoor Blvd., Louisville, member, Bd. of Trustees, plans town hall.

La., Gretna—Jefferson Parish Police Jury, Wm. Hepting, Sec., receives bids Aug. 24 for 2-story addition to and remodeling of 3-story courthouse; 60x90 ft., rein. conc. foundation, brick and stone trim, metal lath, wood and tile floors, composition roof, wrought iron work; Theo. L. Perrier, Archt., Maritime Bldg., New Orleans, La.

La., New Orleans—Auditorium Commission, Leigh Carroll, Chmn., selected Favrot & Livaudais, Ltd., Hibernia Bank Bldg., as architects, and Sam Stone, Jr., & Co., Masonic Temple Bldg., as consulting architects, for \$2,000,000 municipal auditorium, Beauregard Square; building to contain convention hall, theater, exhibition space, auxiliary meeting room and dressing rooms; preliminary sketches to start at once; bonds voted. 12-9-26

Miss., Brookhaven—Lincoln County Bd. of Suprs. receives bids Aug. 6 for rein. conc., brick and steel jail; 2 stories and basement, 36x50 ft., rein. conc. foundation, struct. steel and iron work, steel cages, cement and wood floors, metal lath, steel sash, comp. roof; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson.

Mo., Carthage—Jasper County Bd. of Commrs., L. M. Thomas, Clk., considers erecting \$75,000 jail.

Okla., Blackwell—City Library Bd., John Burger, member, interested in \$25,000 library.

Okla., Pond Creek—City voted \$18,000 community hall bonds. Address City Council. 6-28

N. C., Charlotte—City Commission selected M. R. Marsh, Builders Bldg., as architect for \$100,000 municipal armory and convention hall, Cecil St. near Park Drive; accommodate 3500 to 4000. 6-7

Okla., Mangum—City voted \$50,000 combined auditorium and gymnasium bonds. Address City Council. 6-14

Okla., Muskogee—City Council, W. H. Cavanagh, City Clk., receives bids July 26 for stone and conc. city hall; \$400,000, 3 stories, 140x202 ft., wood, cement, terrazzo and tile floors, steam heat; H. H. Nieman, Barnes Bldg., and L. L. Howenstine, 2705 Oklahoma St., Archts. 6-7

Tenn., Springfield—Robertson County, Judge John E. Garner, remodel and enlarge courthouse.

Tex., Dallas—City Commission plans central fire station; site not selected.

Tex., Dallas—City Council has permit for \$40,000 brick fire station, 2324 Ross St.; 2 stories.

Tex., Victoria—W. H. Smith is chairman of citizens' committee interested in plans for memorial community center; tentative plans call for auditorium with library, etc.

Va., Lynchburg—City Council Municipal Auditorium Comm., R. W. B. Hart, City Mgr., and Chamber of Commerce, H. H. Harris, member, interested in auditorium to seat 5000.

Va., Portsmouth—City Council, Mayor Brooks, will consider advisability of disposing of courthouse site and erecting \$500,000 joint City and Norfolk County building, Washington St.

Va., Stuart—Patrick County receives bids July 30 at office J. S. Taylor, County Clk., for several additional jury rooms and office for judge, courthouse; plans from Clerk's Office.

W. Va., Princeton—Mercer County Soldiers and Sailors Memorial, A. W. Reynolds, Jr., Sec., receives bids Aug. 14 for first unit of memorial building; \$72,000 stone and brick, rein. conc. and ordinary type, 2 stories and basement, 165x56 ft., rein. conc. tile and wood floors, conc. foundation, built-up roof; Garry & Sheffey, Archts., 615 Bailey Bldg., Bluefield. 5-10

W. Va., Wellsburg—Brooke County Court may call election on about \$1,500,000 bonds, including \$400,000 for courthouse.

## Dwellings

Ala., Birmingham—M. M. Baldwin, Comer Bldg., erect \$10,000 residence, 42nd St. and 12th Ave.



Ark., Jonesboro—Dr. W. O. Finch erect brick veneer residence; 2 stories, 50x48 ft., tile bath, comp. roof; Estes W. Mann, Archt., Cotton Exch. Bldg., Memphis, Tenn.

D. C., Washington—T. Franklin Schneider erect \$40,000 brick dwelling, 3010 Jocelyn St., N. W.; 2 stories.

D. C., Washington—Waple & James have permit for 4 brick dwellings, 511-17 Nicholson St., N. W.; 2 stories; \$22,000.

D. C., Washington—C. Edw. Spliedt has permit for \$30,000 residence, 6600 Sixteenth St., N. W.; brick and stone, 2 stories.

D. C., Washington—Henry J. Connor has permit for \$10,000 residence, 1337 Jonquil St., N. W.; brick and tile, 2 stories.

D. C., Washington—W. H. Huffman has permit for 3 dwellings, 1509-13 Neal St., N. E.; 2 stories, brick; \$15,000.

D. C., Washington—H. B. Willson, 1835 K St., N. W., erect \$30,000 residence, 2301 California St., N. W., after plans by David L. Stern, Archt., 1412 I St., N. W.; brick, 2 stories. 7-12

Fla., Miami Beach—Jas. A. Allison, Star Island, erect addition to residence; also erect garage.

Fla., Palm Beach—C. M. Hayes, Chicago, Ill., remodel and enlarge residence, N. Ocean Blvd.; John L. Volk, Archt.; C. A. Maass, Jr., Asso. Archt., both Plaza Bldg.; bids in.

Ga., Atlanta—Mrs. Nettie P. Reynolds erect \$10,000 duplex, 791 Cumberland Road, N. E.; brick veneer, 2 stories.

Ga., Atlanta—Jackson P. Dick, 131 Ponce de Leon Ave., N. E., erect \$100,000 residence, Andrews Drive near Paces Ferry Road; brick and hollow tile, 2 stories and basement, hardwood and tile floors, tile or slate roof, misc. and orna. iron and steel work; Cooper & Cooper, Archts., Bona Allen Bldg.; plans about July 30.

Ga., Cuthbert—L. M. Moye soon open bids for Creole-Dipt shingle residence; 2 stories and basement, common and face brick, oak, tile and pine floors, Buckingham Virginia slate roof, 2-pipe vapor heat; E. C. Wachendorf, Archt., McGlawn-Bowen Bldg., Atlanta; following contractors estimating: Ewart Bros., Inc., Pine St., Columbus; J. M. Culpepper & Sons, Pelham; R. J. Edgerly, Albany; T. C. Wesley, Bona Allen Bldg., Atlanta; H. D. Atkinson; J. A. Rowland, both Thomasville.

Ga., Savannah—Sam G. Adler, Broughton and Bull Sts., erect Colonial residence, Victory Drive, after plans by Eugene H. Klaber and Ernest A. Grunfeld, Archts., 435 N. Michigan Ave., Chicago, Ill.; brick veneer, 2 stories, 100x34 ft., comp. roof. 6-7

La., New Orleans—A. Pon Sanchez, 5 Tokalon Place, erect \$10,000 double raised residence, 1504 Abundance St.; 34x96 ft.

La., New Orleans—Walter Cook Keenan, Archt., 4239 St. Charles Ave., receiving sub-bids for 3 four-room frame double cottages, Washington Ave. and Tchoupitoulas St.; comp. roofs, copper screens.

Md., Annapolis—Ernest B. Miller, Garrett Bldg., Baltimore, plans residence, Annapolis Road.

Md., Baltimore—Jos. S. Small, Falls Road and Appleby Ave., erect 10 brick dwellings, 800 block W. 32d St.; 2 stories; \$25,000.

Md., Baltimore—Mrs. Helen E. Smith, 4513 Weitzel Ave., plans residence, Springlake Way and Paddington Road.

Md., Baltimore—Mrs. E. S. Tweedale, 1618 Eutaw Place, erect \$35,000 residence, Overhill and Warrenton Roads; brick, 2½ stories; Fredk. Thomas, Archt., 726 E. 33d St.

Md., Baltimore—Rignal W. Baldwin Divall, 16 E. Lexington St., erect \$30,000 residence, Charlotte Road; brick, 2½ stories; Carl W. Strohmer, Archt., Calvert Bldg.

Md., Baltimore—Richard E. Mommers, 3545 Newland Ave., plans residence, Upnor Road near Charles St.

Md., Baltimore—Richwood Development Co., 625 Washington Blvd., erect 2 dwellings, 5610-12 Green Spring Ave.; \$15,000.

Miss., Cleveland—Catholic Church, Rev. E. V. Rotunda, Pastor, erect parsonage, S. Court St.; later erect church.

Miss., Meridian—L. G. Gresham, 12th St. and 26th Ave., considers erecting \$15,000 brick residence, Poplar Springs Drive.

Mo., Clayton, St. Louis—Cesare Carnaghi, 2907 N. Taylor St., erect \$10,000 residence, Moorlands Park; brick, 38x39 ft.

Mo., Kansas City—Leo F. Brady, 304 E. 70th St. Terrace, and E. L. Winn, Jr., 807 E. Armour St., erect brick and stucco dwelling, 5121 Wabash Ave.; Queen Anne type; 7 rooms.

Mo., Kansas City—Wm. A. Ross, care W. A. Ross Construction Co., Uptown Bldg.,

erect Colonial residence, Stratford Gardens; Edgar Faris, Archt.

Mo., Kansas City—R. G. Winstead, Sec. Treas., Franklin Ice Cream Corp., 1213 Harrison St., purchased homesite, 6525 Valley Road.

N. C., Charlotte—John J. Morton, W. Morehead St., erect \$20,000 residence, Providence Rd.; stone; bids in.

N. C., Winston-Salem—Frank B. Morris, Bank St., erect \$10,000 residence and garage, Stratford Rd.; 8 rooms.

Okla., Tulsa—C. W. Titus, Inc., Kennedy Bldg., erect brick, stone and tile residence; 2 stories and basement, 47x128 ft.; Hoyt, Price & Barnes, Archts., Davidson Bldg., Kansas City, Mo.

Okla., Tulsa—A. B. Butler, Jr., Atlas Life Bldg., about ready for sub-bids on \$30,000 hollow tile and frame residence and garage; no gen. contract; 1 and 2 stories, irregular shape, 94x30 ft., oak floors, conc. foundation, tile roof; Donald McCormick, Archt., 1012 Atlas Life Bldg. Address Archt. See Want Section—Building Material and Equipment. 7-12

S. C., Columbia—J. W. Strudel erect \$15,000 residence, 3800 Kilbourne Rd.; brick veneer, 7 rooms.

Tenn., Nashville—W. C. McAllister, 1105 Douglas Ave., erect \$35,000 residence, 1111 Caruthers Ave.; brick veneer, 7 rooms.

Tenn., Whitehaven—O. R. Cullins, 975 Oakview Ave., erect brick veneer residence; 1 or 2 stories and basement, oak floors, comp. roof, tile bath; W. C. Lester, Archt., Dermont Bldg., Memphis.

Tex., Austin—Chas. W. Zwiener, 4201 Ave. H., erect \$10,000 residence, Aldridge Place; brick veneer, 1 story, conc. foundation, hardwood and tile floors, wood shingle roof, warm air heat; Edwin C. Kreisler, Archt., Scarbrough Bldg.

Tex., Dallas—Geo. M. Easley, 407 Bullington St., erect \$10,000 residence, 5929 Gaston St.; 10 rooms, brick veneer.

Tex., Donna—Valley Orchards, Inc., J. A. Almirall, Pres., 53 Palm Place, New York, erect \$10,000 superintendent's residence; frame and stucco, 2 stories, hardwood floors, tile roof; A. H. Woolridge, Archt., McAllen, Tex.; plans about Aug. 1.

Tex., Fort Worth—Mrs. G. C. Mayne erect \$19,000 brick veneer residence, 407 Rivercrest; frame garage.

Tex., Houston—C. R. Wilmoth, Live Oak and Rosedale Sts., erect \$10,000 residence, 2602 Arbor St.; brick veneer, 10 rooms.

Tex., McAllen—Steve Jones has low bid at \$11,070 from E. D. Mathis, McAllen, for residence; plans by Architectural Home Service Bureau, Minneapolis, Minn.; A. H. Woolridge, Supvg. Archt., McAllen. 6-28

Tex., Prairie Lea—J. F. Johnson, Supt. of Schools, erect residence; Giesecke & Harris, Archts., 207 W. Seventh St., Austin.

Tex., San Antonio—M. A. Gunn erect residence, Blanco Hills Country Estates.

Tex., San Antonio—W. A. Bidwell, Sales Agt., Blanco Hills Country Estates, completing plans for model dwelling.

Tex., San Antonio—C. L. Hocker erect \$30,000 residence, 100 block E. Gramercy Place; English type, 2 stories; bids about July 18.

Tex., San Antonio—Floyd T. Snyder, 901 Victoria St., erect 13 dwellings, 200 block High St.; 4 and 5 rooms, frame; \$19,800.

### Government and State

D. C., Washington—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., receives bids Aug. 6 for partitions, etc., on fourth and fifth floors, Liberty Loan Bldg.; drawings from Supvg. Archt.

D. C., Washington—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., will select architects latter part of July for Department of Labor Bldg., 14th St., N. W., Interstate Commerce Commission Bldg., 12th and B Sts., Independent Offices Bldg., 12th St., and Department of Justice Bldg., site of Center Market. 6-3-26

Ky., Henderson—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., rejected bids for postmaster's room and interior changes, post office; to call revised bids.

S. C., Sumter—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., rejected bids for storeroom in attic, etc., post office; to call new bids. 6-7

Va., Fort Myer—Constructing Quartermaster has low bid at \$28,432 from Wm. H. Dawson for motion picture theater.

Va., Lexington—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids Aug. 6 for changes in money order and registry div., post office.

Va., Quantico—Following contractors estimating on 7 apartment houses, 1 disciplinary barrack, commissary building, storehouse, motor transport building, power house and pump house, Marine Barracks, bids (date not determined) by Navy Dept., Bureau of Yards and Docks, Washington, D. C.: Casey Engineering Co., 1800 E St., N. W.; Standard Art Marble and Tile Co., 334 C St., N. W.; Standard Sanitary Manufacturing Co., Willard Hotel; English Construction Co., Inc., 1311 H St., N. W.; Westinghouse Electric and Manufacturing Co., Hibbs Bldg.; Detroit Steel Products Co., Hill Bldg.; H. P. Foley Co., 2020 I St., all Washington; J. E. Beaman Construction Co., Lawyers Bldg., Raleigh, N. C.; Virginia Engineering Co., 322 28th St.; Newport Contracting and Engineering Co., Silsby Bldg., both Newport News, Va.; Algernon Blair, 11 S. Lawrence St., Montgomery, Ala.; Murch Bros. Construction Co., Rwy. Exch. Bldg., St. Louis, Mo.; J. L. Crouse, Box 542, Greensboro, N. C.; Hall-Hodges Co., Inc., Citizens Bank Bldg., Norfolk, Va.; J. A. Jones Construction Co., Commercial Bank Bldg., Charlotte, N. C.; W. F. Jackson Co., Richmond, Va. 7-12

### Hospitals, Sanitariums, Etc.

La., Monroe—St. Francis Sanitarium have plans ready about 2 weeks for bids on rein. conc. and brick addition; 3 stories, 60 beds, fireproof, rein. conc. foundation, asbestos shingle roof, steel sash, struct. steel and iron work, metal windows, elect. signal system, elect. passenger elevator; Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans. 3-22

Md., Easton—Easton Emergency Hospital having plans drawn by Henry Powell Hopkins & A. C. Burton, Archts., 347 N. Charles St., for \$40,000 addition; J. Posey, Mech. Engr., 201 W. Franklin St., all Baltimore. 11-24

Mo., Sedalia—City votes Sept. 2 on \$200,000 general hospital bonds; T. W. Bast, Archt., Kahn Bldg.; previous election declared void. 5-31

Mo., St. Joseph—Bd. of Public Works receives bids July 23 for tuberculosis pavilion at City Hospital; \$25,000, brick and stone, 2 stories, 75x30 ft., 40 beds; nurses' quarters; Eugene Meier, Archt., Lincoln Bldg. 6-28

N. C., Tryon—St. Luke's Hospital, Julian Calhoun, Chmn., Bldg. Comm., have plans about Sept. 15 to Oct. 1 for \$75,000 fireproof general hospital; local field stone, hollow tile, 1 story and basement, 40x190 ft., mastic floors, local stone foundation, slate roof, steam modulation heat; Chas. C. Wilson, Archt., Palmetto Bldg., Columbia, S. C. See Want Section—Building Material and Equipment. 7-12

Tex., Abilene—State Bd. of Control, R. B. Walthall, Chmn., Austin, erect \$40,000 dormitory, Abilene State Hospital; fireproof, brick, hollow tile and rein. conc., east stone trim, 2 stories, 72x54 ft., conc., wood and tile floors, metal lath and plaster; David S. Castle Co., Archt., Alex. Bldg., Abilene.

Tex., Austin—State Bd. of Control, R. B. Walthall, Chmn., has plans about ready for \$50,000 hospital building, Austin State Hospital; fireproof, brick, stone and rein. conc., 2 stories; W. E. Ketchum, Archt., Pope Bldg.

Tex., Big Springs—Drs. Hall and Bennett erect \$60,000 hospital; brick, tile and rein. conc., 2 stories and part basement, 127x82 ft., T shape; Peters, Haynes & Strange, Archts., 615 Myrick Bldg., Lubbock.

Tex., Fort Worth—City Council considering enlarging City and County Hospital; may call bond election.

### Hotels and Apartments

Ark., Hot Springs—George R. King, New York, George R. Mann, Little Rock, Fred Rix, Pres., Arkansas National Bank, Hot Springs, erect 14-story, 270-room addition and remodel Eastman Hotel to be known as New Kingsway Hotel; \$1,500,000, first 2 stories stone, upper stories either stone or brick, auditorium 2 stories, first floor for shops, bathhouse on second floor equipped with 40 tubs; Geo. R. Mann, Wanger & King, Archts., Donaghey Bldg., Little Rock. 5-24

Fla., Jacksonville—Fred Thellman, Barnett Bldg., erect \$90,000, 2-story and basement, brick, 18-unit apartment on Oak St., between Bars and King Sts.; Dunlap W. Morrison, Archt., Wade Bldg.

Fla., Sarasota—W. H. Pirkorn, 110 Sunset Park, expend \$10,000 for refurbishing Hotel Sarasota.

Fla., Tallahassee—Mrs. Gussie Mullikin erect \$65,000, 3-story and basement, 80x90 ft., brick and hollow tile hotel, Calhoun and Jefferson Sts.; conc., rubber, tile and wood

floors, built-up roof; Jacobs & Herrington, Ashford, Ala., and Bert-Marshall, Inc., Lakeland, low bidders; Alvin R. Moore, Archt. 6-28

Ga., Atlanta—W. P. Smelley, erect \$10,000 2-story frame apartment, 567 Formwalt St.

Ga., Savannah—J. B. Pound, Lookout Mountain, Chattanooga, Tenn., erect 50-room addition and remodel De Soto Hotel.

Ky., Louisville—J. G. and Carrie O. Reid, 669 Lindell Ave., have permit for \$10,000, brick veneer apartment and garage, 911 S. 47th St.

Ky., Louisville—L. S. Grauman, 530 W. Jefferson St., erect \$10,000 brick apartment, 1853 Rutherford Ave.

Ky., Louisville—Watterson Hotel, Edw. V. Hamilton, Mgr., erect \$20,000, 50-room addition.

La., Houma—W. J. Picone receives bids July 26 for 2-story, 68x80 ft., brick and hollow tile hotel and garage at School and Lafayette Sts.; separate bids for steam heating system; Lockett & Chachere, Archts., Balter Bldg., New Orleans. 6-7

N. C., Greensboro—S. J. Marley, Banner Bldg., erect \$100,000, 2-story and basement, rein. conc. and brick apartment on S. Mendenhall St.; built-up roof, steam heat, 36 units; Lorenzo S. Winslow, Archt., Piedmont Bldg.

N. C., New Bern—George Eyer, 170 E. 63d St., New York, reported, erect hotel at Atlantic Beach.

N. C., Winston-Salem—Dr. V. M. Long, West End Blvd., has permit for two \$8500, brick, 4-family apartments on Ridge Ave.

Okla., Chickasha—Burtchell Interests remodel Chickasha Hotel; \$75,000.

Tenn., Knoxville—Arnold Corp., Arnold Apartments, Church Ave. and Locust St., remodel apartments for hotel; 50 additional baths.

Tenn., Wartrace—A. J. Campbell remodel and refurnish Wartrace Hotel.

Tex., Beeville—J. J. McKinney received low bid at \$39,370 from W. O. Stephenson for 3-story, 130x36 ft., tile, stucco, rein. conc. hotel; wood and tile floors; W. C. Stephenson, Archt. 7-12

Tex., Brownsville—J. W. Keith erect \$50,000, 50-room hotel to replace burned structure.

Tex., Dallas—Morten Investment Co. erect \$1,000,000, 400-room hotel, Main and Martin Sts.; W. Scott Dunne, Archt., Melba Bldg.

Tex., El Paso—United Hotels Company of America, New York, acquired Hotel Paso del Norte and expend \$200,000 for improvements to lobby and lower floors; Paul Harvey, Mgr., Paso del Norte.

Tex., Fort Worth—W. P. Jones erect \$10,000, brick veneer apartment, 1605 E. Tucker St.

Tex., Fort Worth—John W. Nix, Moore Bldg., erect \$20,000, brick veneer apartment, 1011 Sixth Ave.

Tex., Midland—Mrs. Elizabeth Wallace, Dameron Hotel, Mineral Wells, erect hotel; Edwin A. Nolan & Sons, Archts.

Tex., Nacogdoches—Liberty Hotel, R. A. Johnson, Mgr., erect 30-room addition, new lobby and dining room.

Tex., New Braunfels—New Braunfels Hotel Co., Inc., Ben. W. Nuhn, Sec., call for bids about Aug. 15 for \$150,000, 4-story, 75x100 ft., brick, rein. conc., fireproof hotel; 50 rooms; Harvey P. Smith Archt., Natl. Bank of Commerce, San Antonio. 6-7

W. Va., Wheeling—Bankers' Trust Co., H. A. Lapman, Gen. Mgr., Conservative Life Insurance Bldg., selected Fox, Duffy & Foose, 1225 Prospect Ave., Cleveland, O., to design and supervise construction of \$250,000 Edgemar Apartment Hotel on National Highway between Edgington Lane and Bloch's Station, Pleasant Valley; 4 stories, 120x120 ft., fireproof, struct. steel, brick, ornamental terra cotta; first floor for stores, second, tea room, cafeteria and luncheon grill, third and fourth floors for bachelor suites.

#### Miscellaneous

Ark., Sulphur Springs—Sulphur Springs Resort and Health Center organized with \$500,000 capital; John E. Brown, Storm O. Whaley, Cash., Bank of Sulphur Springs, incorporators; take over John Brown Schools consisting of Mountain View Hotel, Livingston Hotel, Cottage Inn, Park Springs Hotel, Fairlawn Apartment and several cottages and develop for health resort; erect bath house, construct golf course.

Fla., Miami—Model Land Co. erect 2-story, 30x136 ft., hollow tile restaurant; F. Wyatt Woods, Archt., both Ingraham Bldg.; bids in.

Ga., Atlanta—West End Gold Club, W. E. Gathright, Chmn., Bldg. Comm., Western Electric Co., Lee St., soon call for bids for \$10,000, one-story and basement, frame clubhouse; comp. roof, tile and hardwood floors; designed by W. E. Eason, Candler Bldg.

Ga., Brunswick—Blue Heron Club of Georgia, Hal M. Stanley, Pres., State Capitol, Atlanta, start work soon on clubhouse, Blue Heron Island near Brunswick.

Ga., Monroe—J. L. McGarity erect \$12,000, one-story brick and frame funeral home and garage; comp. roof, wood and conc. floors; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta.

Ga., Rome—Emmett Cole received bids July 19 for 2-story and basement, 107x58 ft., funeral home; stucco over tile or brick, cast stone trim, wood and tile floors; Lockwood & Poundstone, Archts.; Ed. F. Bille, Asso. Archt., both Forsyth Bldg., Atlanta. 7-12

Ga., Warm Springs—Franklin D. Roosevelt, 120 Broadway, New York, and associates, soon begin work on improvements and development of Warm Springs properties; initial unit will be glass-enclosed and covered swimming pool; 90x35 ft., \$30,000.

Mo., Kansas City—J. H. Smith Home Trustees erect building.

N. C., Raleigh—Capital Club, 14 W. Martin St., reported, erect \$500,000, 14-story building, Martin and Salisbury Sts.; top floor for club, other floors offices.

Tex., Beaumont—St. Anthony's Sisters' Home Trustees, Forsythe and Archie Sts., erect \$15,000 addition.

Tex., Donna—Valley Orchards Co. erect \$10,000 clubhouse in connection with 320-acre development west of Donna; A. H. Woolridge, Archt., McAllen.

Tex., Port Arthur—Syrian Civic Circle, Abe A. Amun, 440 Houston Ave., Chmn., Bldg. Comm., plans clubhouse.

#### Railway Stations, Sheds, Etc.

Ga., Rivoli, Macon—Central of Georgia Rwy. Co., C. E. Weaver, Ch. Engr., Savannah, soon start work on station.

#### Schools

Ala., Dothan—Bd. of Education soon call for bids for concrete baseball stadium; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham; C. C. Yonze, Asso. Archt., American Natl. Bk. Bldg., Pensacola, Fla. 7-12

Ala., Evergreen—State Bd. of Education, R. E. Ledbetter, State Supvr. of Bldgs., Montgomery, rebuild State Secondary Agricultural School; \$45,000, asbestos roof, brick; A. F. Dittmar, Archt., Montgomery. 6-21

Ala., Homewood—Birmingham—City of Homewood votes July 31 on \$25,000 bonds for addition to Edgewood Elementary School and sanitary equipment at Shades-Cahaba School; Jefferson County Bd. of Education, Birmingham.

Ala., University—University of Alabama, Dr. Geo. H. Denny, Pres., having plans drawn for School of Education building. 12-29-27

Ark., Smackover—School Bd. plans vocational school for negroes; 6 classrooms, auditorium and library; also teacherage; both structures brick.

Fla., Canal Point—Palm Beach County Bd. of Public Instruction, J. A. Youngblood, Supt., West Palm Beach, received low bid at \$10,500 from D. Hillier for vocational school; King & Campbell, Archts., Harvey Bldg., Palm Beach.

Fla., Hallandale—Broward County Bd. of Public Instruction, James S. Richards, Sec., Fort Lauderdale, rejected bids for colored school; have plans revised and call for new bids July 27. 7-5

Ga., Atlanta—City plans \$5,000,000 bond issue for additions and equipment for 54 white schools and 12 negro schools; Willis A. Sutton, Supt. of Schools.

Ga., Marshallville—School Bd. erect one-story, 10-room and auditorium school; hardwood floors, asphalt shingle roof; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta.

Ga., Rome—Martha Berry School erect 2-story and basement, rein. conc., brick, stone trim dormitory; comp. roof, steam heat; Cooper & Cooper, Archts., Bona Allen Bldg., Atlanta.

Ky., Louisville—Bd. of Education, Samuel D. Jones, Bus. Dir., obtained option on site, Second and Bloom Sts., for Louisville Male High School; \$700,000; election on bonds, in November.

Ky., Murray—Murray State Teachers College Trustees erect boys' dormitory and li-

brary building; G. Tandy Smith, Archt., Guthrie Bldg., Paducah.

Ky., Wilmore—Asbury College erect \$75,000 auditorium; Churchill & Gillig, Archts., Fayette Bk. Bldg., Lexington. 7-12

La., Abbeville—Milton School Dist. No. 2 voted \$15,000 bonds for \$45,000 school to be erected jointly by Vermillion and Lafayette parishes; Vermillion Parish School Bd. 7-12

La., Henry—Henry School Dist. No. 1 voted \$16,000 bonds; Vermillion Parish School Bd., Abbeville. 7-12

La., Lafayette—Phi Alpha Kappa Fraternity, Southwestern Louisiana Institute, erect frat house on McKinley St. in College Park addition.

La., Lake Charles—F. K. White, 2216 S. Ryan St., call for bids about Sept. 1 for 2-story, brick and hollow tile school; tar and gravel roof, wood floors; Livesay & Wiedemann, Archts., Lake Charles, and 607 San Jacinto Life Bldg., Beaumont, Tex.

La., Natchitoches—Natchitoches Parish School Bd., E. A. Lee, Sec., receives bids July 24 for home economics cottage at Ashland and school auditorium at Florida.

La., New Orleans—Orleans Parish School Bd., City Hall Annex, receives bids Aug. 10 for \$60,000, 2-story and basement, brick, stone trim addition to Andrew H. Wilson School, 3617 General Pershing St.; tile roof, struct. steel and iron work; E. A. Christy, Supvg. Archt. 7-12

Md., Bethesda (Br. of Washington, D. C.)—Georgetown Preparatory School erect \$170,000 addition including classrooms, laboratories and dormitory.

Miss., Gulfport—Harrison-Stone-Jackson Agricultural High School and Junior College, C. O. Swetman, Chmn., Bldg. Comm., plans expansion program to call for immediate construction of laundry, repairing and rebuilding boys' dormitory, building concrete tunnel 1400 ft. long; also plans administration building, men's dormitory, women's dormitory, hospital, several instructors' homes.

Miss., Holly Springs—Laws Hill Consolidated School Dist. votes July 27 on bonds; C. H. Curd, Supt., Marshall County Bd. of Education.

Miss., Kosciusko—Attala County Bd. of Education erect fireproof administration building at Attala County Agricultural High School; 8 classrooms, library, office, auditorium.

Miss., Moss Point—Bd. of School Trustees receives bids July 24 for improvements to Central School; Shaw & Woleben, Archts., Gulfport.

Miss., Meridian—Dixie Highway Consolidated School Dist. voted \$35,000 bonds for school; Lauderdale County Bd. of Education, Meridian. 6-28

Miss., Quitman—Quitman Separate School Dist. Trustees erect 2-story, brick and stone trim school; \$50,000 bonds voted; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 6-21

Mo., Kansas City—St. Augustine's R. C. Church, Rev. A. J. Koehler, Pastor, 1806 E. 79th St., soon call for bids for 2-story, brick parochial school, 79th and Paseo; Madorie & Bihr, Archts., Continental Bldg. 5-31

Mo., Marceline—Bd. of Education erect \$90,000 brick high school; W. E. Hulse & Co., Archts., 505 Stamey Hotel Bldg., Hutchinson, Kans.

Mo., St. Louis—Shortridge Galleries, P. Shortridge, 4422 Washington Blvd., having plans prepared by E. E. Christopher, Louderman Bldg., for \$150,000 art school, gallery and auditorium; 5 stories, brick.

Okla., Chickasha—Bd. of Education erect \$25,000, 2-story, brick, conc. school; asbestos roof, steam heat; The Huseman Co., Archt.

Okla., Keystone—School Bd. erect \$16,000, brick, stone and conc. addition to school; A. J. Love & Co., Archts., 204½ E. Third St., Tulsa.

Okla., Sasakwa—Trustees, School Dist. No. 41, erect 4-room, brick and tile school; comp. roof, wood floors; Richard E. Richter, Archt., 1217 E. Ninth St., Okmulgee.

S. C., Charleston—Bd. of Trustees, James Island School, Dist. No. 3, A. L. Welch, Sec., erect one-story, 4-room, brick school at Riverland Terrace; James D. Benson, Archt.; bids in. 5-31

Tenn., Jackson—Bd. of Education, J. D. Johnson, Commr., erect \$225,000 high school; R. A. Heavner, Archt. 6-21

Tenn., Knoxville—Knox County Bd. of Education erect \$20,000, 4-room school in Chilwee subdivision.

Tex., Alvin—Alvin Ind. School Dist., Trustees erect 2-story, hollow tile, brick,



stone trim high school; Lamar Q. Cato, Archt., Bankers Mortgage Bldg., Houston. 6-7

Tex., Austin—University of Texas, Dr. W. J. Battle, Chmn., has plans by Herbert M. Greene, LaRoche & Dahl, Construction Bldg., Dallas, for \$800,000 chemistry building and \$650,000 library addition; former 4 stories, 300x96 ft., E shaped, base course of stone, one story, brick and terra cotta above; latter 3 stories, stack layout in center 80 ft. square, providing 10 stack levels, wings on either side, 42x146 ft., fireproof. 3-1

Tex., Cisco—City votes July 28 on \$50,000 bonds for rebuilding West Ward School; Bd. of Education. 7-12

Tex., Higgins—Higgins Ind. School Dist. voted \$40,000 high school bonds; F. J. Latimer, Pres., Bd. of Trustees.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., erect 18-classroom, gymnasium, auditorium and machine shop addition to Booker T. Washington School, 303 W. Dallas St.; plans completed in about 3 weeks; Henry F. Jones & Tabor, Archts., American Natl. Bank Bldg.

Tex., Kosse—Bd. of School Trustees, S. T. Jones, erect \$15,000, 30x128 ft., rein. conc., brick addition to school; wood floors, built-up roof, hot air heat; H. F. Kuehne, Archt., Littlefield Bldg., Austin; bids in. 6-14

Tex., Nome—Nome Ind. School Dist. votes Aug. 3 on \$12,000 bonds for addition to school; S. S. Poland, Trustee.

Va., Farmville—State Teachers' College erect \$125,000 dormitory; W. C. Locker, Pres., State Teachers' Colleges, Richmond.

Va., Harrisonburg—State Teachers' College erect \$100,000 dormitory; W. C. Locker, Pres., State Teachers' Colleges, Richmond.

Va., Ridgeway—Henry County School Bd., B. Clifford Goode, Supt., Martinville, receives bids July 30 for 10-room high school at Ridgeway; also two 2-room and two 4-room schools.

W. Va., Flemington—Flemington School Dist. Trustees erect \$75,000 high school; Lloyd L. Shriver, Taylor County Bd. of Education, Grafton.

W. Va., Guyandotte, Huntington—Guyandotte Dist. Bd. of Education, Walter Edmonds, Pres., erect 6-room school; bids in.

### Stores

Ala., Anniston—W. W. Powers has permit to remodel old Fair building at 1010 Noble St.; \$15,000.

Ala., Anniston—A. K. Adams Co., 542 Plum St., N. W., Atlanta, Ga., low bidder on \$75,000, 2-story and basement, brick and conc. store to be leased by Montgomery Ward & Co., Chicago; built-up roof, conc. and wood floors. 7-5

Ala., Birmingham—Mortgage Company of Alabama, American Tr. Bldg., has permit for \$10,000 store, 2119 First Ave.

Ala., Birmingham—A. M. Goldberg, 918 Linwood Rd., erect \$20,000 store, Avenue G and 25th St.

Ark., Arkadelphia—Graves Hardware Co. erect building at 910-18 Sixth St. to replace structure burned at loss \$30,000. 7-12

Ark., Blytheville—A. M. Butt erect store to be occupied by J. C. Penney Corp., 330 W. 34th St., New York.

D. C., Washington—Joseph Shapiro Co., 115 16th St., N. E., has permit for \$10,000, one-story brick store, 505 8th St., S. E.

Fla., Miami—Sabatino A. Berni, 28 N. W. 13th Ave., soon call for bids for 2-story, 31x49-ft., rein. conc., brick store and apartment; Geo. L. Pfeiffer, Archt., Biscayne Bank Bldg.

La., Baton Rouge—J. W. C. Wright, Pres., Globe Furniture Co., New Orleans, advises may be several years before erecting building at Church and Laurel Sts. 7-12

La., Ruston—Price Hardware and Furniture Co. erect one-story addition and remodel 36x100 ft., brick building on Railroad Ave.; \$18,000; built-up comp. roof, tile, wood and conc. floors, elevator; E. A. George, Archt., Giddens-Lane Bldg., Shreveport; bids in. 6-21

Md., Frederick—McCrory Stores Corp., 1107 Broadway, New York, soon start work on store, 17 W. Patrick St.; Globe Wrecking Co., Chicago, has contract for wrecking building on site.

N. C., Greensboro—C. O. Forbis, 505 N. Elm St., has permit for \$11,000, 2-story store on N. Greene St.

Tex., Corpus Christi—W. L. Pearson, care Pitkin Realty Co., Nixon Bldg., erect \$15,000, one-story, 50x140 ft., brick, tile, rein. conc. store; H. A. Salisbury, Archt., Post-Dispatch Bldg., Houston.

Tex., Harlingen—R. W. Nelson has permit for \$12,650, one-story tile and brick building.

Tex., McAllen—Mrs. Anna Liedecker erect store to be occupied by J. C. Penney Co., Inc., 330 W. 34th St., New York; A. H. Woolridge, Archt.

Tex., Rosenberg—D. W. Schuech soon start work on one-story, 30x80 ft., brick building to be occupied by Palace of Sweets.

Tex., San Antonio—Wm. Basse Hardware Co., 123 Military Plaza, erect one and two-story and basement, brick, conc., fireproof store, Dolorosa St. and Military Plaza; Leo M. J. Dielmann, Archt., 306 E. Commerce St.

Tex., Turkey—C. E. Stone Co. soon start work on \$10,000, 25x100-ft. brick store.

Va., Norfolk—Sears, Roebuck & Co., Chicago, leased store at 108-12 E. Freemason St. and remodel.

Va., Petersburg—J. W. Enochs, Hopewell, Pres., Sycamore Holdings Co., reported, expend \$35,000 for improvements to old Rosenstock Bldg. on Sycamore St., to be leased to Montgomery Ward & Co., Chicago.

W. Va., Clarksburg—Montgomery Ward & Co., Chicago, N. H. Rightor, Local Mgr., reported, erect 25 ft. addition and remodel store in Robinson Building; \$25,000.

### Theaters

Ala., Birmingham—A. L. Erlanger Amusement Enterprises, Inc., 214 W. 42nd St., New York, Lewis Haase, representative, Atlanta, Ga., leased Jefferson Theater and remodel.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Ark., Waldo—Ancient Free and Accepted Masons erect \$10,000 temple; brick veneer, 2 stories, 80x100 ft., conc. and wood floors, comp. roof; filling station on first floor; Frank Spradlin, Contr.; work started.

Md., Cumberland—Cumberland Lodge No. 63, B. P. O. E., P. O. Box 397, started brick work on \$50,000 fireproof lodge bldg., 114 S. Centre St.; brick and steel, 3 stories, 42x100 ft., conc. floors and roof; furnishings, equipment, etc., \$10,000; Robt. Holt Hitchins, Archt., Perrin Bldg.; Jas. C. Powell, Contr., S. Liberty St. 2-2

N. C., Greensboro—Salvation Army, W. B. Truitt, Chmn., Bldg. Comm., let contract to J. R. Owen, 1006 W. Lee St., for \$35,000 auditorium and store bldg., 520 S. Elm St.; brick, wood and steel frame, 2 stories and basement, 45.6x44 ft., hardwood floors, conc. foundation, 3-ply built-up roof; M. L. Albertson, Archt., Box 1173.

### Bank and Office

Ark., Camden—Mrs. P. M. Simmons, City Treas., started work on 6-room residence, Spring and Clifton Sts.

Mo., Kansas City—Grand Realty Co., Clarence H. Getchell, Pres., 717 Bryant Bldg., reported, let contract to Fridstein & Co., 111 W. Washington St., Chicago, Ill., for \$1,500,000 Professional Bldg., 11th St. and Grand Ave.; 16 stories, brick; stores on first 2 floors; physicians' and dentists' offices above; arched entrance; Chas. A. Smith and Geo. E. McIntyre, Archts.-Engrs., Finance Bldg. 6-21

N. C., Winston-Salem—Following sub-contracts let on \$2,000,000 office bldg. for R. J. Reynolds Tobacco Co. on which steel erection is complete, floor arches are to ninth floor, limestone facing is at fifth floor, interior partitions under way and face brick work started in court: Metal windows, Campbell Metal Window Corp., 1 Pershing Sq.; alarm system, Duplex Electric Co., 71 Grand St.; terra cotta, Federal Terra Cotta Co., 101 Park Ave.; dampproofing, "R.I.W." Damp Resisting Paint Co., 443 Fourth Ave.; caulking, Union Calking Service Co.; casement windows, David Lupton's Sons Co., 8 Murray St., all New York; rein. bars, Connors Steel Co., Empire Bldg., Birmingham, Ala.; setting stone, Theo. J. Cromar & Son, 2809 Montrose Ave.; elevators, Otis Elevator Co., 7 N. Second St., both Richmond, Va.; mail chute, Cutler Mail Chute Co., Rochester, N. Y.; elect. work, Howard P. Foley Co., 2020 L St., N. W.; fireproofing, Knollman-Spldel Fireproofing Co., Union T. Bldg., both Washington, D. C.; granite, Perry Bros., Concord, N. H.; flag pole, Pole & Tube Works, Newark, N. J.; orna. iron, Roanoke Iron Works, 321 Third St., S. E.; struct. steel, Virginia Bridge & Iron Co., Madison Ave., N. E., both Roanoke, Va.; freight elevator doors, Security Fire Door Co., 3044 Lambdin St., St. Louis, Mo.; roofing and sheet metal, C. F. Shuman Roofing Co.,

La., Monroe—Saenger Theaters, Inc., 1401 Tulane St., New Orleans, receives bids July 31 for 1-story and mezzanine, steel, brick, stone trim, fireproof theater on site of Lyceum Theater; seat 1500 people; plans at office Emil Weil, Inc., Whitney Bank Bldg., New Orleans; following contractors estimating: Chas. Gibert, Canal Bank Bldg.; J. V. & R. T. Burkes, New Orleans Bank Bldg., both New Orleans; T. M. Perkins, Little Rock, Ark.; W. C. Salley, Ouachita Natl. Bank Bldg.; George Love, 500 L St.; Frank Masling, 1310 S. Grand St., all Monroe. 5-10

Miss., Aberdeen—Pine Tree Amusement Co., Paul H. Tessier, 74 Neron Place, representative, New Orleans, La., plans moving picture theater, Commerce St.; Lockett & Chachere, Archts., Balter Bldg., New Orleans.

Tex., Palestine—A. Cartmell has permit for rebuilding Temple Theater, Avenue A.

### Warehouses

La., Shreveport—Sam Gold, 301 Egan St., erect \$50,000, 80x200 ft., one-story, rein. conc., steel, brick office and warehouse, Gary and Texas Sts.; built-up comp. roof, conc. floors; E. A. George, Archt., Giddens-Lane Bldg.

La., Shreveport—Builder's Supply Co., Inc., Third St., soon call for bids for \$10,000, 40x175 ft., one-story, sheet iron warehouse, Third St. and L. & A. R. R.; Seymour Van Os, Archt., Merchants Bldg.

Va., Blackstone—Perkins & Page erect warehouse to replace burned structure.

E. Boulevard, Charlotte, N. C.; heating, plumbing, ventilation and refrigeration, Riggs, Distler & Co., Inc., 216 N. Calvert St., Baltimore, Md.; "Steelcrete," Consolidated Expanded Metal Companies, 1083 Germantown Ave., Philadelphia, Pa.; painting, John Luppe, Greensboro, N. C.; millwork, Fogle Bros. Co., 202 Belew Creek Road, Winston-Salem; glass and glazing, Pittsburgh Plate Glass Co., 431 Hamilton St., High Point, N. C.; hollow metal, Metal Door and Trim Co., La Porte, Ind.; elevator enclosures, Tyler Co., Bona Allen Bldg., Atlanta, Ga.; metal toilet partitions, Sanymetal Products Co., Urbana Road and N. P. tracks, Cleveland, Ohio; Shreve & Lamb, Archts., 311 Madison Ave., New York; James Baird Co., Contr., 1800 E St., N. W., Washington. 4-23

Tenn., Old Hickory—I. Alford, care Alford Dry Goods Co., 213 Public Sq., Nashville, let contract to Claydon Love for 3-story brick office bldg., 22nd and Hadley Sts., Dupontonia; cut stone trim, hardwood floors, steam heat; 2 stores on first floor.

Tex., Houston—Acme Brick Co., N. P. Anderson Bldg., Fort Worth, has brick contract for \$4,500,000 Gulf Bldg., Main St. and Rusk Ave., for Jesse H. Jones Co., Bankers Mortgage Bldg.; 4 express, 4 local and 1 service elevator to Otis Elevator Co., 1617 McKinney Bldg.; power equipment, Kewanee Boiler Co., Kewanee, Ill.; Alfred C. Finn, Archt., Bankers Mtg. Bldg.; Kenneth Franzheim, 345 Madison Ave., and J. E. R. Carpenter, 589 Madison, both New York, Const. Archts.; American Construction Co., Contr., Gulf Bldg., Houston. 5-10

### Churches

Ark., Russellville—Methodist Episcopal Church, South, clearing ground for \$86,000 bldg.; conc. brick, terra cotta and tile, 2 stories, 100x125 ft., tile-Tex and wood floors, conc. foundation, Mission tile roof; John P. Almand, Archt., Boyle Bldg., Little Rock, Ark.; G. F. Mentschel, Contr., 1211 S. Pickwick St., Springfield, Mo. 7-12

Ga., Atlanta—Mt. Pleasant Baptist Church, 671 Houston St., N. E., erect \$10,000 building, 611 McGruder St., N. E.; brick veneer, 1 story and basement, 40x80 ft., wood floors, comp. roof; day labor.

Md., Cumberland—Kingsley M. E. Church, 248 Williams St., completed foundation for \$50,000 Sunday school; conc. and brick, 2 stories, 76x44 ft., slate roof; Robt. H. Hitchins, Archt.; owner builds; Geo. A. Bowman, Chmn., Bldg. Comm., 424 Baltimore Ave. 6-14

Miss., Carthage—Baptist Church let contract at \$16,495 to Currie & Corley, Raleigh, for brick bldg.; rein. conc. foundation, comp. shingle roof, wood floors, warm air heat; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson. 7-12

Miss., Olive Branch—Methodist Episcopal Church let contract for \$20,000 bldg. to Olive Branch Lumber Co.; brick, 1 story, balcony

and basement, 101x34 ft., with 10x22-ft. projections, hardwood floors, conc. foundation, comp. roof; M. M. Alsop, Archt., Germantown, Tenn. 7-12

Mo., Caruthersville—Eastwood Memorial Methodist Church, South, let contract to Geo. H. Gassman Construction Co., Poplar Bluff, Mo., for \$50,000 building; 3 stories, 70x100 ft., oak floors, conc. foundation, comp. shingle roof; Uzzell S. Branson, Archt., Farmers Bank Bldg., Blytheville, Ark. See Want Section—Building Material and Equipment. 7-12

Mo., St. Louis—Bethany E. L. Church, Clay and Natural Bridge Rds., let contract to Kellermann Contracting Co., Victoria Bldg., for \$138,000 church and gymnasium; brick, stone trim, 1 story, 125x50 ft., slate roof, 2 towers, accommodate 750; Corbusier & Foster, Archts., Keith Bldg., Cleveland, Ohio; L. J. Graham, Supvg. Archt., 4885 Natural Bridge Road. 12-29

N. C., Charlotte—Board of Missions for Freedmen of Presbyterian Church erect \$125,000 church, Johnson C. Smith University; stone and brick, tile, conc. and hardwood floors, slate roof; A. G. C. Laymont, Archt., New York; Southeastern Construction Co., Contr., 210 W. Second St., Charlotte. 7-12

Tenn., Memphis—Metropolitan Baptist Church, Dr. S. A. Owen, Pastor, started work on \$100,000 building, McDowell St. and Walker Ave.; brick and steel, stone trim, 1 story, conc. and wood floors, comp. built-up roof; plans by H. Taylor, care Owner; T. A. Moore and B. J. Washburn, Contrs., 649 Lauderdale St. 4-5

Tenn., Nashville—Emanuel Baptist Church erect brick and conc. Sunday school, 17th Ave. and Broad St.; 3 stories and basement, 45x94 ft.; Carlton Brush, Archt., Fourth and First Bk. Bldg. 7-12

Tex., Austin—St. Martins Lutheran Church let contract to J. F. Johnson, Third and Red River Sts., to complete church, \$21,000; Geo. Louis Walling, Archt. 7-12

Tex., San Angelo—First Methodist Church let contract to C. S. Mills to enlarge church and erect Sunday school and parsonage; \$75,000; H. M. King, Archt., care Bd. of Extension of M. E. Church, South, Louisville, Ky. 4-5

W. Va., Parkersburg—First Presbyterian Church, Box 556, erect \$60,000 Sunday school, Ninth and Market Sts.; tile and stucco, 2 stories and basement, 65x85 ft., maple floors, cement foundation; R. L. Brown, Archt., Contr., 514 George St.; address equipment proposals to Edw. Nelly, Wood County Bank Bldg.; other proposals to Contr. 7-12

### City and County

Ark., Little Rock—Pulaski County completed basement floors of \$160,000 jail; rein. conc., 4 stories and basement, 85x50 ft., cement floors, comp. roof; Thompson, Sanders & Ginochio, Archts., Hall Bldg.; Gordon Walker, Contr., Rector Bldg. 7-12

Miss., Holly Springs—Marshall County Bd. of Suprvs. let contract at \$8975 for remodeling and enlarging jail to Howell & Pearce, Greenwood, Miss.; jail work, Pauly Jail Building Co., 2215 DeKalb St., St. Louis, Mo., at \$5175; N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson, Miss. 7-5

Tex., Bay City—Matagorda County Bd. of Commrs., A. Harris, Judge, let contract at \$54,178 to Heath & Kinsey, 446 Menchaca St., San Antonio, to remodel and add 2 wings to courthouse; Morris & Noonan, Archts., Bldrs. Exch., San Antonio. 7-5

### Dwellings

Ala., Birmingham—R. E. Nicholson, Avalon Apts., excavating for brick veneer residence, Rockridge Park; 2 stories, 60x45 ft., oak, tile and pine floors, brick and tile foundation, comp. shingle roof; Jacob E. Salle, Archt., Exch. Bldg. 6-28

Ark., Conway—W. D. Cazort erect brick veneer residence; 2 stories, oak floors, tile bath, comp. shingle roof; T. A. Graham, Contr. 7-12

D. C., Washington—W. C. & A. N. Miller, 1119 Seventh St., N. W., erect \$19,000 stone dwelling, 4852 Indian Lane, after plans by G. E. MacNeill, Archt., 1119 17th St., N. E.; also \$21,000 stone dwelling, 4842 Indian Lane, after plans by Arthur B. Heaton, Archt., 1211 Connecticut Ave., N. W.; both 3 stories; owners build. 7-12

Fla., Boynton—Mrs. Blank erect \$100,000 residence, Mizner's Mile; Addison Mizner, Archt., 337 Worth Ave.; E. F. Powers Construction Co., Contr., Harvey Bldg., both West Palm Beach. 7-12

Fla., Davenport—Mrs. Edith L. Stone, Framingham, Mass., completed foundation for \$10,000 residence; frame and stucco, met-

al lath, 2 stories, hardwood floors, tile roof; Geo. F. Marlowe, Archt., 234 Boylston St., Boston, Mass.; Frank Duncan, Engr.; Davenport Lumber & Supply Co. (Home Building Dept.), Contr., both Davenport. 7-12

Fla., Eustis—Glenn C. Hyde, Pres., Eustis Ice Co., started work on \$25,000 residence, Eustis Heights; tile Skinnell brick and stucco, 2 stories and basement, oak and tile floors, 8 rooms; Alan MacDonough, Archt., Contr. 7-12

Fla., Jacksonville—J. L. Odom, 2001 Forbes St., started work on \$16,000 brick veneer residence, Hedrick St.; 2 stories, 40x40 ft., oak floors, tile roof, conc. foundation; Bernard Close, Archt., Bisbee Bldg.; W. T. Hadlow, Contr., 32 W. Forsyth St. 7-12

Fla., Jacksonville—T. B. S. Denham started work on \$20,000 residence, Venetia; English type, brick veneer, 2 stories, 10 rooms, 3 baths, 2-car garage; Russell Seymour, Archt., Hamby Bldg.; Arthur F. Perry, Jr., Contr., Bisbee Bldg. 7-12

Fla., St. Petersburg—Mrs. V. H. Pace, E-516 19th Ave., N., erect \$15,000 residence, 17th Ave. and Walnut St.; tile, 2 stories, 9 rooms, garage; Oscar Stewart, Contr. 7-12

Fla., St. Petersburg—C. B. Allen erect \$10,000 dwelling, 1017 Thirty-ninth Ave., North; 2 stories, 8 rooms, garage. 7-12

Fla., South Jacksonville—Floyd M. Jamieson, 607 Bisbee Bldg., erecting \$12,500 brick veneer residence, San Marco; 1½ stories, 48x48 ft., Zenitherm floors, asbestos roof; Geo. O. Holmes, Jr., Archt., 35 E. Bay St.; N. L. Snelson, Contr., 2948 Park St., both Jacksonville. 7-12

Ga., Atlanta—Rev. B. C. Goodpasture, care P. P. & Geo. J. Morris, Contrs., 76 Pryor St., N. E., erect \$18,000 Colonial residence, 1198 Clifton Road, N. E.; 2-stories and basement, brick, tile roof, steam heat, 10 rooms, 2 baths; plans by Contrs. 7-12

Ga., Atlanta—J. Kuniansky, 1040 W. College Ave., Decatur, erect 3 dwellings, 700-04-08 Yorkshire Road, N. E.; brick, 1 story; \$18,000; owner builds. 7-12

Ga., Augusta—Prof. Clifford T. Sego, 1325 Baker Ave., erecting residence, Forrest Hills; Bright McConnell erecting residence, Forrest Hills. 7-12

Ga., Brunswick—Alfred W. Jones let contract for \$15,000 residence, Glynn Isle, to Sea Island Supply and Construction Co.; stucco, 2 stories, 55x60 ft., wood and tile floors, conc. foundation, tile or shingle roof; furnishings, equipment, etc., \$3000; Addison Mizner, Archt., 337 Worth Ave., West Palm Beach. 7-12

Ga., Manchester—J. W. Smith let contract for \$10,000 brick veneer residence to Eau Gallie Construction Co., Eau Gallie, Fla.; 1 story and basement, hardwood floors, comp. roof; Daniell & Beutell, Archts., Healey Bldg., Atlanta, Ga.; work started. 5-3

Ga., Manchester—H. S. Peters let contract for \$10,000 brick veneer residence to Eau Gallie Construction Co., Eau Gallie, Fla.; work under way; 1 story and basement, hardwood floors, comp. shingle roof; Daniell & Beutell, Archts., Healey Bldg., Atlanta, Ga. 5-3

Ga., Savannah—Miss Julia O'Gorman erecting \$20,000 residence, Harmon and 47th Sts.; buff brick, 2 stories, 8 rooms, 2 baths, steam heat; S. S. Leonard, Contr., 417 E. Gaston St. 7-12

Ga., Thomasville—W. T. Jay erecting residence, Gordon Ave.; Paul C. Searcy erecting residence, E. Jefferson St. 7-12

La., New Orleans—A. K. Jones, Contr., 2519 Jasmine St., erect single dwelling, Jasmine St. near Iris St. 7-12

La., New Orleans—Mrs. R. Biau erect duplex, 4730 Cleveland Ave.; Wm. Evers, Contr., 1310 Poland St. 7-12

La., New Orleans—Aetna Homestead Assn., Hibernia Bldg., erect \$10,500 duplex, Gayoso St. near Cadiz St.; Kenneth J. Colomb, Contr., 3522 Louisiana Ave. 7-12

La., New Orleans—Oliver H. Dabiezles, Maritime Bldg., erect \$11,500 stucco duplex, Wilson Drive; Pierre Donnes, Contr. 7-12

La., New Orleans—Philip Schneller, Contr., 4141 Orleans St., erect double dwelling, Oleander and Dante Sts. 7-12

La., New Orleans—Henri G. DeFraitres, Contr., 5710 Laurel St., erect raised residence, Lafaye St. near Lombard St. 7-12

La., New Orleans—Frank and Philip DiMaggio, 2400 S. Roman St., erect 2 frame cottages, Philip St. near Dannel St.; Cuevas & Fitzmorris, Contrs., 1632 Dryades St. 7-12

La., New Orleans—J. E. Renton, 203 Harrison St., erect double residence, Catina St. and Polk Ave.; J. M. Werling, Contr., 2900 St. Bernard Ave. 7-12

La., New Orleans—Cuevas & Fitzmorris, Contr., 1632 Dryades St., erect double cottage, Philip St. near Dancel St. 7-12

La., New Orleans—Mrs. Antoinette Pons erect \$12,000 residence, Abundance and Resiere Sts.; John W. Hymel, Contr., 2800 St. Bernard St. 7-12

La., Shreveport—H. A. Peterman, 222 Wall St., let contract at \$14,500 to J. F. Welch, 616 Olive St., for residence; brick veneer, 2 stories; M. D. Weeks, Jr., Archt., 1531 Laurel St. 5-31

Md., Baltimore—Robinson & Slagle, Inc., American Bldg., erect \$10,000 dwelling, 1504 Roland Ave.; brick, 2½ stories, 56x40 ft., slate roof, hot water heat; J. Ahlers, Archt.; owner builds. 7-12

Md., Baltimore—Cleveland R. Bealmear, Bldr., 16 E. Lexington St., erect number 2-story brick dwellings, Edmondson Ave. and Wildwood Way; 7 rooms and bath each; owner builds. 7-12

Md., Baltimore—Woodward Building Co., 3328 Elmley Ave., erect 5 frame dwellings, 2712-18 and 2800 Bayonne Ave.; 1½ stories, hot air heat; \$15,000; J. Blake, Archt.; owner builds. 7-12

Md., Baltimore—Glendale Realty Co. erect \$10,000 frame dwelling, 1111 Bryn Mawr Ave.; 1½ stories, 57x24 ft., slate roof; Geo. Wessel, Archt., 601 W. 40th St.; owner builds. 7-12

Md., Baltimore—Robinson & Slagle, Inc., American Bldg., erect 18 dwelling, 40th St. and Linkwood Road, as first unit of group of about 80; English village type, brick and timber, 7 to 10 rooms, 2 to 3 baths; Clyde N. & Nelson Friz, Archts., Lexington Bldg.; owners build. 7-12

Md., Baltimore—Harold B. Cahn, Equitable Bldg., erect \$45,000 stone and stucco residence, Woodholme Ave. near Reisterstown Rd.; Normandy type, stone tower, 12 rooms, 4 baths; Harold Appleton Stilwell, Archt.; Peyton B. Strobel Co., Contr., both 206 E. Lexington St. 7-12

Mo., Kirkwood, St. Louis—S. M. Grossman, 524 Central Ave., erect 3 brick dwellings, Corona Park; 29x38 ft., 43x27 ft. and 37x29 ft., 1 story, comp. roofs; \$21,000; owner builds. 7-12

Mo., St. Louis—R. McCulloch, 4394 Westminster St., erect \$12,000 addition to residence; brick, 30x19 ft., comp. roof; LaBeaume & Klein, Archts., Seventh and Locust Sts.; Dickie Construction Co., Contr., Louderman Bldg. 7-12

Mo., St. Louis—Artistic Homes Corp., 912 Cent. Natl. Bank Bldg., erect 2 brick dwellings, 6446-50 Lindenwood St.; 1 story, 39x32 ft. and 28x41 ft., asphalt shingle roofs, hot air heat; \$10,000; owner builds. 7-12

Mo., Clayton, St. Louis—Lansden McCandless, care New England Mut. Life Ins. Co., Pierce Bldg., let contract to A. H. Haeseler Building and Contracting Co., Wainwright Bldg., for \$65,000 residence, Brentmoor; brick and stone, 3 stories and basement, 40x79 ft., rein. conc. floor slab; LaBeaume & Klein, Archts., Compton Building, St. Louis. 5-31

Mo., St. Louis—H. O. Klingel, 4937 Lisette Ave., erect \$10,000 brick residence; 1 story and basement, 28x45 ft., stone foundation, hardwood floors, tile bath, comp. shingle roof; Adolph Stauder, Archt., 6032 S. Kingshighway; W. G. Diehl Construction Co., Contr., 6801 Gravois Ave. 7-12

Mo., University City, St. Louis—Howard W. Godwin, 6227 Delmar Blvd., erect \$15,000 residence, 7162 Cambridge Ave.; brick, 2 stories and basement, 29x36 ft., hardwood floors, tile roof and bath, steam heat; owner builds. 7-12

Mo., St. Louis—J. & O. Starkes, 6119 Colorado St., erect \$10,000 brick residence, 2541 Whittier St.; 2 stories and basement, 10x53 ft., stone foundation, hardwood floors, tile bath, hot air heat; F. J. Robertson & Sons, Archts., 401 Peoples Bldg.; owner builds. 7-12

Mo., St. Louis—H. Huber, care Max Goldman Realty Co., Title Guaranty Bldg., erect \$13,000 residence; brick, 1 story and basement, 32x43 ft., tile bath, hardwood floors, asphalt shingle roof, hot water heat, elect. refrigerator, oil burner; O. J. Popp, Archt., Arcade Bldg.; owner builds. 7-12

Mo., St. Louis—Dr. A. G. Enderle, 622 Hanley Rd., erect \$50,000 residence, Hampton Park; brick, stone and rein. conc., 2 stories and basement, terrazzo and tile floors, slate roof, vapor heat; Maritz & Young, Archts., Chemical Bldg.; work by subcontract. 7-12

Mo., St. Louis—W. H. Juerling, care Art-Bilt Construction Co., Contr., 5417 S. Grand Blvd., erect \$10,000 brick residence, 2731 Delor Court; 1 story and basement, 28x42 ft., hardwood floors, tile roof, warm air heat; Chas. L. Thurston, Archt., 130 Kenil Contrs., 764 Big Bend Road. 7-12

Mo., University City, St. Louis—F. Rossi, 1256 S. Kingshighway, erect \$15,000 dwelling, 7193 Delmar Blvd.; brick, 2 stories and



basement, 28x38 ft., tile bath, hardwood floors, slate roof, hot water heat, garage; owner builds.

Mo., University City, St. Louis—Mrs. Ella Farmer, 4351 Maryland Ave., erect \$12,000 brick residence, 7343 Cornell Ave.; 2 stories and basement, 34x28 ft., hardwood floors, tile bath, slate coated shingle roof, hot air heat; Chas. L. Truston, Archt., 130 Kenilworth Ave., Webster Groves; Payne Bros., Contrs., 764 Big Bend.

Mo., St. Louis—M. Maloney, 4201 Easton Ave., erect \$10,000 residence, 4429 St. Ferdinand Ave.; brick, 1 story and basement, 19x48 ft., hardwood floors, asbestos shingle roof, tile bath, hot air heat; Sachor & Cantor, Contrs., 4201 Easton Ave.

Mo., St. Louis—Mrs. Goldberg, care Sol Abrahams & Son, Archts., Chemical Bldg., erect brick and stucco residence, Hipointe; 2 stories and basement, 34x37 ft., hardwood floors, slate roof; work by sub-contract.

Mo., St. Louis—Northwest Realty Co., E. E. Young, Mgr., 2921 N. Grand St., plans 40 additional bungalows and number of flats by Nov. 1.

N. C., Charlotte—Wm. F. Scholl, 103 Law Bldg., erecting \$15,000 residence, Sherwood Rd. and Beverly Drive; 2 stories, 31x65 ft., hardwood floors; Leah Range Roberts, Archt., 1717 The Plaza; T. C. Wilson & Co., Contrs., Court Arcade.

N. C., Durham—B. D. Gaddy, 308 Oakwood Ave., completed foundation for \$18,000 residence, Gregson St.; brick veneer, 2 stories, oak floors, slate roof; Rose & Rose, Archts., Trust Bldg.; Durham Home Builders, Inc., Contrs., First Natl. Bank Bldg.

Okla., Oklahoma City—A. F. Bonenberger Bros., Inc., S. W. Natl. Bldg., erect 10 dwellings, 2400 block W. 13th St. and 20 in 2300 block W. 22d and W. 21st Sts., in addition to several number under construction.

S. C., Aiken—J. Oscar Williams, 366 Fifth Ave., New York, let contract at \$15,698 to Anderson, Stieffel Construction Co., Augusta, Ga., to remodel and erect additions to residence; Willis Irvin, Archt., S. F. C. Bldg., Augusta.

Tenn., Nashville—M. S. Garrett, care E. Spencer Benton, Archt., 816 Ind. Life Bldg., let contract to Fred Causey, Ind. Life Bldg., for brick veneer residence, 1513 Sixteenth Ave., South; 1 story and basement, 57x42 ft.

Tex., Amarillo—Methodist Church erect \$12,000 parsonage, 4702 Taylor St., for presiding elder of Panhandle Dist.; 8 rooms; Rev. W. M. Pierce, Presiding Elder.

Tex., Houston—Frank P. Sterling let contract to W. A. Lang, 1130 Banks St., to remodel residence, 1505 South Boulevard, damaged by fire; \$25,000; hollow tile and brick, 2 stories, tile roof.

Tex., Houston—Mrs. Blanche West and Miss B. A. West let contract to Witte & Fleming, Kirby Bldg., to rebuild burned residence, 4018 Garrett St.

Tex., Houston—Addison S. Nunn, care Wm. Ward Watkin, 3205 Rosalie St., started work on brick veneer and shingle bungalow, Southampton.

Tex., San Angelo—J. M. Pfleger started work on \$15,000 brick and tile residence, 700 S. Park St.; 1 story, 45x68 ft., tile floors, conc. foundation, tile roof; furnishings, equipment, etc., \$10,000. See Want Section—Building Material and Equipment.

Tex., San Angelo—Herschel Upton erect \$10,000 residence, 1311 Madison St.; brick veneer, 35x60 ft.; H. L. Lampton, Contr.

Tex., San Antonio—Alamo Realty and Investment Co., St. Marys St., erect 3 brick veneer dwellings, 111-121 Broadhurst St.; 5 rooms; \$13,500; owner builds.

Tex., San Antonio—Joe Glasberg, Main and Magnolia Sts., erect \$10,000 residence, Agarita St. near Main St.; brick veneer, 2 stories, 10 rooms; Ed Uhr, Contr., 1406 Pasadena St.

Tex., Sinton—A. Z. Fullick, Mgr., Turner Lumber Co., started work on residence, Market St.

### Government and State

Tex., Corsicana—State Bd. of Control, R. B. Walthall, Chmn., Austin, let contract at \$137,967 to Bailey, Burns & Fitzpatrick, Mercantile Bank Bldg., Dallas, for high school, central kitchen and dining hall and convert present dining hall into dormitory, State Orphans' Home; A. A. Brown, Archt., Mercantile Bank Bldg., Dallas.

Va., Fredericksburg—Treasury Dept., Jas. A. Wetmore, Act. Supvy. Archt., Washington, D. C., let contract at \$17,486 to Chas. Weitz' Sons, Des Moines, Iowa, to remodel and enlarge post office.

### Hospitals, Sanitariums, Etc.

Fla., Palm Beach—Good Samaritan Hospital Assn., J. P. Cochrane, member, let contract to Chalker & Lund, Harvey Bldg., for \$25,000 addition; nurses' dining rooms and kitchen, operating corridor 2 stories; Bruce Kitchell, Archt., 105 N. Palm Beach Ave.

Md., Baltimore—Johns Hopkins Hospital let contract to Consolidated Engineering Co., 20 E. Franklin St., for 1-story brick addition to service building, Monument St. near Broadway; \$100,000; Jos. Evans Sperry, Archt., Calvert Bldg.; H. F. Doeleman, Struct. Engr., 516 N. Charles St., all Baltimore; Buerkel & Co., Inc., Plumbing and Heating Engrs., 24 Union Ave., Boston, Mass.

S. C., Bennettsville—Marlboro County Hospital let contract at about \$53,000 to D. A. Holbrooks, Albemarle, N. C.; plumbing and lighting, J. L. Powers, Bennettsville, \$15,000; rein. conc., brick and tile, 2 stories and basement, 130x40 ft., conc., marble, comp. and tile floors, slate and comp. roof; Geo. R. Berryman, Archt., Odd Fellows Bldg., Raleigh, N. C.; H. D. Harrell, Asso. Archt., Bennettsville.

Tenn., Nashville—Central State Hospital, Richard H. Lyle, Commr. of State Institutions, 202 Memorial Bldg., let contract to W. R. Smith, Arrington St., for 2 cottages; brick veneer, 1 story and basement, 35x57 ft. and 57x42 ft.; Marr & Holman, Archts., Stahlman Bldg.

Tex., Austin—J. O. Andrewartha, Ninth St., has steam heating contract for \$90,000 city hospital on which brick work is completed; elect. work and plumbing, Harper & Linscomb, 13th St.; elevator, Otis Elevator Co., Littlefield Bldg.; H. F. Kuehne, Archt., 824 Littlefield Bldg., all Austin; M. L. Diver, Engr., Calcasieu Bldg., San Antonio; Henry Wattinger, Contr., Austin. See Want Section—Building Material and Equipment.

Va., Petersburg—Central State Hospital, H. B. Henry, Supt., let contract for \$115,000 hospital building to Farmville Manufacturing Co., Farmville; fireproof, steel, conc. and brick, refrigerating machinery, incinerator; Baskerville & Lambert, Archts., 914 Travelers Bldg., Richmond. (Lately noted under Va., Richmond.)

### Hotels and Apartments

Ala., Decatur—Mrs. W. K. McNeil let contract at \$55,000 to J. W. Chambers Lumber Co., Athens, for 2-story, 111x68 ft., brick apartment, Lafayette and Ferry Sts.; oak floors, tile roof; Wm. Leslie Welton, Archt., American Trust Bldg., Birmingham.

Ark., Rogers—Lane Hotel Co., S. A. Lane, Gleason Hotel, Little Rock, let contract to G. F. Hentschel, 121 S. Pickwick Ave., Springfield, Mo., for \$140,000, 5-story, fireproof hotel; tile roof; John P. Almand, Archt., Boyle Bldg., Little Rock.

Fla., Jacksonville—F. W. Pearce, 878 Talbot Ave., erect \$12,500, 2-story, brick veneer apartment, 32d St., between Main and Silver Sts.; owner builds.

Ga., Atlanta—T. A. Hallman, 285 Alaska Ave., N. E., erect \$15,000, 2-story and basement apartment, 775 Moreland Ave., S. E.; comp. roof, hardwood floors, hot air heat; day labor.

La., Lake Charles—L. Seline, 608 Clay Ave., Houston, Tex., has contract for sheet metal work on 10-story hotel for H. T. McClain and W. P. Weber, 623 Pujo St.; McDaniel Brothers, Gen. Contrs., Box 826, Beaumont; Joseph Finger, Archt., Keystone Bldg., Houston.

Mo., Joplin—Braeckel Sash and Door Works has contract at \$16,000 for millwork, finished and unfinished woodwork for Connor Hotel annex under construction for Allis Building Co., Barney Allis, Pres.; C. A. Dieter Construction Co., Contr., 223 W. Third St.; Alonzo Gentry, Archt., March Bldg.

Mo., St. Joseph—National Building and Construction Co., Kansas City, soon start work on twin apartments on Noyes Blvd.; \$200,000, 3 stories, 40x65 ft., brick, terra cotta trim, fireproof, tile roof, Spanish type, vapor heat; Besocke & Defoe, Archts., 114 W. Tenth St., Kansas City.

Mo., St. Louis—A. A. Krueger, 4011 Utah St., erect \$10,000, 2-story, 34x46 ft., brick tenement, 2649-51 Winnebago St.; tile roof, hot air heat; H. Beetz & Sons, Bldrs., 2668 Nebraska St.

Mo., St. Louis—I. Lund, 4505 San Francisco St., erect two 2-story, 24x42 ft., brick tenements, 4304-8 N. Euclid Ave.; \$12,000; comp. shingle roofs, hot air heat; C. E. Lund, Bldr., 4505 San Francisco St.

Mo., St. Louis—J. Wunderlich, 4930 Tholoan St., erect \$10,000, 2-story, 26x47 ft.,

brick tenement, 3526 Lawn St.; clay tile roof, hot water heat; owner, Archt.-Bldr.

Mo., St. Louis—G. Weiss, 904 Chestnut St., erect \$17,500, 3-story, 42x70 ft., brick tenement, 5525 Enright St.; tar and gravel roof, steam heat; J. Rubin, Bldr., 904 Chestnut St.; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—Paramount Construction Co., 904 Chestnut St., erect \$17,500, 3-story, 42x70 ft., brick tenement, 5516 Cates St.; tar and gravel roof, steam heat; J. Rubin, Bldr., 904 Chestnut St.; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—W. Brinkop, 3621 S. Grand Blvd., excavating for \$20,000, 2-story and basement, brick apartment, 6130-38 S. Grand Blvd.; stone foundation, comp. shingle roof, hardwood floors, hot air heat; Kirk W. Moses, Contr., 3643 Bowen St.

Mo., St. Louis—Zeppenfeld, Inc. Construction Co., 3905 Utah St., started work on 3 apartments, 4319-29 Tholoan Ave.; 2 stories and basement, 34x45 ft., brick, \$40,000; owner, Archt.-Bldr.

Mo., St. Louis—Koch Investment Co., care Hemmelman Spackler, Seventh and Chestnut Sts., erect \$25,000, 2-story, 30x48-ft. brick tenement, 521 Loughborough St.; built-up comp. roof, warm air heat; Jones Construction Co., Bldr., 1427 N. Hanley road; Study & Farrar, Archts., Arcade Bldg.

Mo., St. Louis—Herman Mayer Co., 3617 S. Grand St., has contract at \$500,000, 8-story, brick apartment, Grand and Russell Bldgs.; R. E. Tisdale, Archt., 3617 S. Grand St.

Mo., St. Louis—Block Bros., 3617 Delmar Blvd., erect \$500,000, 10-story, brick apartment, Delmar Blvd., west of Grand Ave.; W. H. Smith, Contr., 110 N. 7th St.; A. B. Boyer, Archt., Arcade Bldg.

Mo., St. Louis—F. F. Micele, 4749 Natural Bridge Road, erect three 2-story, 24x49 ft., brick tenements, 6667-71 Berthold St.; comp. roofs, hot air heat; \$18,000; owner builds.

Mo., St. Louis—Hackney Investment Co., 3758 Bates St., erect \$10,000, 2-story, 34x56 ft., brick tenement, 4220-22 Neosho St.; comp. roof, hot air heat; owner, Archt.-Bldr.

Mo., St. Louis—F. Newman, 5526A Ashland St., erect \$10,000, 2-story, 34x44 ft., brick tenement, 5843-45 Maffitt St.; 4-ply gravel roof, hot air heat; F. Siteman, Bldr., 5832A Terry Ave.

Mo., St. Louis—F. Siteman, 5832A Terry Ave., erect 2-story, 28x45 ft., brick tenement, 5836 Terry Ave.; asphalt shingle roof, steam heat; owner builds.

Mo., St. Louis—C. Abramowitz, International Life Bldg., erect three 2-story, 34x45 ft., brick tenements, 2214-20 and 2237-39 McNair St.; \$27,000; tar and gravel roof, hot air heat; S. G. London, Bldr., 2144 Railway Exchange Bldg.

Mo., University City, St. Louis—E. M. Lloyd, 2209 Lawrence Ave., soon start work on \$18,000, 2-story, 28x50 ft., brick apartment, Tulane Ave.; hardwood floors, slate roof; C. Dougherty, Contr., 1200 Temple Pl.; G. W. Wolf, Archt., 6635 Delmar Blvd.

N. C., Charlotte—Lex Marsh Co., 24 E. 4th St., soon start work on apartment, Queens road between Luther and Austin Sts.; erecting apartment, Hopedale Ave. and Granville road.

N. C., Winston-Salem—Dr. A. J. Christian let contract to Clyde C. Culler, Stockton Bldg., for 48-room apartment, Patterson and 8th Sts.

S. C., Greenville—B. A. Morgan, Poinsett Hotel, let contract to W. M. Welch for \$17,500, 35x63 ft., 2-story, brick apartment, E. Washington and Pettigru Sts.; Haskell H. Martin, Archt., Vickers-Cauble Bldg.

Tenn., Knoxville—W. A. Hart Construction Co., 400 W. Church St., has permit for \$40,000, 2-story brick apartment, 2100 Laurel Ave.; also for \$3000, 5-room frame dwelling, Gentry St.

Tex., Galveston—Following sub-contracts awarded on \$1,000,000, 11-story, 400-room Buccaneer Hotel for W. L. Moody, Jr., 2028 D St., for which Bellows-Maclay Construction Co., Construction Industries Bldg., Dallas, has general contract; Plumbing, heating and ventilating, Carl Wallace Plumbing Co., Inc., 2224 Sumter St.; rein. steel, Truscon Steel Co., 115 Field St., both Dallas; electrical, A. T. Vick Co., Inc., Electric Bldg.; tile, International Tile Co., 1420 McKinney St., both Houston; elevator, American Elevator and Machine Co., 500 E. Main St., Louisville, Ky.; Hunter-Hays Co., representative, Const. Indus. Bldg., Dallas; face brick, Acme Brick Co., N. P. Anderson Bldg., Fort Worth; millwork, Steves Sash and Door Co., 602 Monterey St., San Antonio; struct. steel, Virginia Bridge and Iron Works, 3900 Eighth Ave., N., Birmingham, Ala.; refrigerating contract not mingham, Ala.; mail chutes, Gilbert Manu-

facturing Co., Inc., Marvin Bldg., Dallas; refrigerating contract not let; foundation completed, footings installed; Andrew Fraser, Archt., American Natl. Insurance Bldg., Galveston. 5-3

Tex., Hart—T. D. Cloud started work on 2-story, stucco, 20-room hotel.

Tex., Houston—Walcott & Maisey, West Bldg., has contract for hollow metal windows in \$100,000 hotel, 1416 Fannin St., for George R. Christie; L. W. Lindsay, Gen. Contr., both Second Natl. Bank Bldg. 6-2

Tex., Houston—Don Hall, Cotton Exch. Bldg., has contract to remodel Warwick Apartments; \$150,000, remove dining room and ballroom from top to first floor, convert top floor into 6 apartments, provide studio for Barber Brothers, furniture dealers and interior decorators, on first floor; James Ruskin Bailey, Archt., Public Natl. Bank Bldg.

Tex., San Angelo—Mrs. Sallie Lockaby, 1316 Twohig St., let contract to Geo. M. Ledford, 318 E. Beauregard St., for 2-story, 115x42 ft., brick Lochaby Hotel; conc. and comp. floors. John G. Becker, Archt., 33 W. Beauregard St. 6-21

Tex., San Antonio—Mrs. Anna Johnson, 131 Princess Pass, let contract to Anton Balzen, 727 Rigby Ave., for 2-story, brick veneer apartment, Rosewood Ave.; Albaugh & Steinbomer, Archts., Real Estate Bldg. 7-12

Va., Winchester—Herman H. Hable, Bldr. and Realtor, plans soon start work on apartment on S. Loudoun St.

### Miscellaneous

Fla., Palm Beach—Florida East Coast Hotel Co., Max Brombacher, Ch. Engr., started work on addition to Breakers Casino; 2 stories, 175 dressing rooms.

Tex., Alpine—Geo. W. Kercher, care Travelers Hotel, erect \$88,000, 2-story, 117x92 ft. dormitory; 102 rooms; Evan J. Wood, Contr.; John C. Becker, Archt., 33 W. Beauregard St., San Angelo.

### Railway Stations, Sheds, Etc.

Fla., Pensacola—St. Louis-San Francisco Ry. Co., P. G. Jonah, Ch. Engr., St. Louis, Mo., let contract to W. Horace Williams Co., Inc., Southern Bldg., New Orleans, for \$100,000 passenger station; one story, brick, stone trim, struct. steel frame. 6-14

### Schools

Ala., Birmingham—Howard College let contract at \$50,000 to W. S. Gilbert, 1514 Warrior St., for 2-story and basement, 90x102-ft., conc. and brick dormitory; tar and gravel roof, steam heat; E. B. Van Keuren, Archt.

Ark., El Dorado—School Bd., Dr. C. E. Dicken, Supt., let contract at \$136,378 to Tom Wilmoth, Camden, for Yocum School, Wesson and Bellott Aves.; rein. conc., fireproof; heating, \$5775, El Dorado Plumbing and Heating Co.; electric, \$1975, Electric Shop.

Ark., Fairview—School Bd. let contract to Tom Wilmoth, Camden, for \$25,000 school addition.

D. C., Washington—District Commrs., Room 509 District Bldg., let contract at \$57,760 to Robert E. Anderson, 801 Maryland Ave., N. E., to install steam heating and ventilating systems in 7 public schools; to American Foundry & Furnace Co., Bloomington, Ill., for casting to be used in school furnaces, \$8341; rejected bids for interior and exterior painting of 27 schools; will be done by day labor by District Repair Shop.

Fla., Gainesville—State Bd. of Control, P. K. Yonge, Chmn., Carling Hotel, Jacksonville, let contract at \$243,000 to Sutton Brothers, Atlantic Natl. Bank Bldg., Jacksonville, for 4-story and basement, brick, rein. conc., stone trim dormitory for men at University of Florida; slate and comp. roof, conc. terrazzo and tile floors, struct. steel; Rudolph Weaver, Bd. Archt., 200 Peabody Hall, Gainesville. 6-21

Ga., Augusta—The Barringer Hotels, Hotel Richmond, W. P. Martin, Mgr., let contract to Claussen-Lawrence Construction Co., 1394 Gwinnett St., for alterations and 100-room, rein. conc. struc. steel, brick, stone trim addition to hotel; \$200,000; tar and gravel roof; Johnson & Brannan, Archts., Peoples Natl. Bank Bldg., Lynchburg, Va. 7-5

Ga., Elberton—City Bd. of Education, W. O. Jones, Chmn., erect \$15,000, 114x53-ft., one-story brick veneer school; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta; day labor. 7-12

Ga., Tifton—Excelsior Consolidated School Dist. Trustees let contract to John T. Ragan & Co., Vidalia, for one-story and auditorium,

brick veneer school; comp. roof, wood floors; Greer & Biggers, Archts., Barnett Bank Bldg., Jacksonville, Fla. 6-28

La., Cameron—Cameron Parish School Bd. let contract to Geo. D. Price, 1121 Louisiana Ave., Lake Charles, for 2-room addition to school at Creole; to L. F. Marti, Sallier St., Lake Charles, for one-room addition to school at Johnson's Bayou; I. C. Carter, Archt., Kaufman Bldg., Lake Charles. 7-12

La., Converse—Sabine Parish School Bd. let contract at \$36,462 to Tudor & Ratcliff, Alexandria, for 2-story, brick, stone trim school; built-up comp. roof; J. W. Smith & Associates, Archts., Ouachita Natl. Bank Bldg., Monroe. 6-21

La., Haynesville—Claiborne Parish School Bd., Homer, let contract at \$170,120 to J. H. Reddick, Kennedy Bldg., Fort Smith, Ark., for 2-story and basement, rein. conc., brick, stone trim, 19-classroom and auditorium high school; built-up comp. roof; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 6-28

La., Melville—St. Landry Parish School Bd., H. B. Prescott, Supt., Opelousas, let contract at \$11,695 to Daniel Lumber Co., Opelousas, for one-story, frame, auditorium at Melville High School; Herman J. Duncan, Archt., 120 Murray St., Alexandria. 7-5

La., New Orleans—Following sub-contracts awarded on McCarthy School, N. Claiborne and Caffin Aves., for which Chas. Gilbert, Canal Bank Bldg., has general contract at \$109,800: Hardware, Giddens & Gordon, Inc., 532 Canal St.; rein. steel, Southern General Fireproofing Co., Canal Bank Bldg.; steel and iron, Lukens Steel Co., Poland and Rocheblave Sts.; E. A. Christy, Supvg. Archt. 6-28

La., Shreveport—St. John's College let contract at \$61,154 to H. Cleveland for 3-story, rein. conc., brick and stone trim rectory; slate roof; E. F. Neild, Archt., City Bank Bldg. 7-12

Md., Baltimore—St. Michael's Parish has permit for \$10,000, one-story, brick addition, 1900-30 E. Lombard St.; 27x23 ft., steam heat; H. L. Maas & Son, Bldrs., 1119 Ensor St.; F. E. Tormey, Archt., 3411 Gwynns Falls Pkwy.

Md., Baltimore—Bd. of Awards let following contracts for school repairs: Heating—Bibb Heating & Equipment Co., 1024 Cathedral St., \$119,325, for schools Nos. 27 and 95; Enterprise Steam and Hot Water Heating Co., 619 W. Franklin St., \$38,339, for schools Nos. 459, 22, 85, 51; George H. Schaffer, 4017 Falls Rd., \$16,217, for schools Nos. 49, 102; plumbing—Wm. Hellbach, 409 Aisquith St., \$45,991, for schools Nos. 49, 106-A, 55, 450-A, 45 S. Gay St., \$13,821, for schools 82, 34, 22, 218, 15, 83, 53, 60; painting—States Engineering Co., 45 S. Gay St., \$15,821, for schools Nos. 82, 34, 22, 222, 211, 52, 103, 86, 121, 80, 99, 53; alterations—McCall & Watts, 5112 Belmont Ave., \$2365, for school No. 110; C. H. Henkle, 2740 Edmondson Ave., \$2392, for school No. 75; J. George Bensen Co., 3005 Shannon Dr., \$2571, for school No. 2084.

Md., Baltimore—Following sub-contracts awarded on \$500,000, 4-story, 45x600 ft., brick, rein. conc., fireproof educational building, Belvedere and Roland Aves., for St. Mary's Seminary, The M. A. Long Co., Gen. Contrs., 10 W. Chase St.; Stone, Ingalls Stone Co., Bedford, Ind.; steel, Deltrich Bros., 220 Pleasant St.; millwork, Helse & Bruns Mill and Lumber Co., 600 S. Caroline St.; Maginnis & Walsh, Archts., Statler Bldg., Boston; Geo. A. Wescher, Engr., Denrike Bldg., Washington. 5-17

Md., Chevy Chase—Montgomery County Bd. of Education, Rockville, let contract at \$123,500 to Alfred C. Warthen & Sons, Kensington, for 6-classroom, gymnasium and assembly hall addition to Bethesda-Chevy Chase High School; heating, \$17,778, William A. Wagner, Kensington; plumbing, \$3900, Chas. T. Crockett, Bethesda; H. W. Cutler, Archt., 1800 E St. N. W., Washington, D. C. 5-31

Md., Rockville—Montgomery County Bd. of Education let contract at \$58,935 to Frank H. Karn for 2-story brick high school addition. 5-31

Md., Silver Springs—Montgomery County Bd. of Education, Rockville, let contract at \$79,000 to Charles H. Brooks, Woodward Bldg., Washington, D. C., for 6-classroom and gymnasium addition to Takoma Park-Silver Spring High School; heating, \$12,000, Wm. A. Wagner, Kensington; plumbing, \$3476, Charles T. Crockett, Bethesda.

Miss., Decatur—Bd. of School Trustees let contract at \$36,000 to R. E. Keith for one-story and basement, 14-classroom, brick and hollow tile school and auditorium; built-up comp. roof; Burt Stuart, Archt., 1401 24th Ave., Meridian.

Mo., Kirkwood—St. Joseph's Preparatory College, Blg Bend and Geyer roads, erect

\$30,000, one-story, brick gymnasium; E. A. Noser, Contr., 9027 Camden St., Overland; H. Dreisoerner, Archt., 3543 Humphrey St., St. Louis.

Mo., Mt. Vernon—Bd. of Education, H. E. McShane, Pres., erect \$45,000, 2-story brick high school to replace burned structure; Busboom Bros., Contrs., Carthage; E. Hawkins, Archt., McDaniel Bldg. 5-10

Mo., St. Louis—Central Institute for Deaf, Dr. Max A. Goldstein, Dir., 806 S. Kingshighway Blvd., soon start work on \$250,000, 4-story, 213x80 ft., brick, terra cotta trim, Spanish type building, 818 S. Kingshighway Blvd.; tile roof, 3 wings, first two floors of south wing for gymnasium and auditorium, third floor, laboratory group and fourth floor isolation hospital, classrooms on second, third floors of center wing, open-air playground with covered roof on fourth floor, dining room on first floor of northern wing, dormitories on second, third and fourth floors; Dickie Construction Co., Contr., Louderman Bldg.; Wm. B. Ittner, Archt., 9th and Locust Sts. 6-30-27

N. C., Germantown—Memorial Industrial School, Rev. W. J. Poindexter, Supt., Winston-Salem, let contract to Frank L. Blum & Co., 110 E. Second St., Winston-Salem, for 2-story administration building, one-story baby cottage, 2 dormitories on 200-acre tract 3 mi. from Germantown; fireproof; Northrup & O'Brien, Archts., Starbuck Bldg., Winston-Salem.

N. C., Jamestown—Guilford County Bd. of Education, Greensboro, let contract at \$17,875 to Acme Lumber Co. for 4-room and auditorium negro school near Jamestown; Harry J. Simmonds, Archt.

N. C., Raleigh—Bd. of Education let contract at \$35,645 to J. F. Danielson, 812 Cowper Drive, for 16-room addition to Hayes-Barton School; at \$21,270 to J. N. Bryan & Sons, for 12-room annex to Washington High School.

N. C., Wake Forest—Wake Forest College Trustees let contract to H. E. Satterfield, Raleigh, for \$25,000, 2-story, stone veneer president's residence; slate roof; H. P. S. Keller, Archt., 129 Hillcrest St., Raleigh. 7-12

N. C., Wilson—Atlantic Christian College, H. Galt Braxton, Chmn., Bldg. Comm., Kingston, let contract at \$53,900 to Jones Bros., for girls' dormitory; at \$9900 to Wilkins & Wilkins, 411 Davis Bldg., for central power plant; Herbert Hunter, Archt.

Okla., Oklahoma City—Bd. of Education, J. R. Barton, Supt., let contract at \$33,887 to Harmon & Mattison Construction Co., Herskowitz Bldg., for 2-story, brick, rein. conc. administration building; built-up roof, conc. floors, steam heat; Guy C. Reid, Archt., Elks Bldg. 6-14

Okla., Seminole—Bd. of Education, James Seger, Clk., let contract to Stewart Construction Co., Oklahoma City, for \$75,000, brick, stone, conc., fireproof school; tar and gravel roof, steam heat; The Butler Co., Archt., Herskowitz Bldg., Oklahoma City.

Okla., Verdigris—Bd. of Education let contract at \$10,498 to R. D. Pollard, Claremore, for school and gymnasium; A. J. Love & Co., Archts., 204½ E. Third St., Tulsa. 4-26

S. C., Cheraw—Cheraw School Dist. Trustees let contract at \$23,000 to C. B. Edgeworth for one-story, brick and hollow tile grammar school; gum floors; Wilkins & Hopkins, Archts., Florence. 6-21

S. C., Monticello—Bd. of Education let contract at \$36,000 to J. S. Heslep, Columbia, for 2-story and basement, brick veneer high school; A. D. Gilchrist, Archt., Rock Hill.

Tex., Boling—Boling Ind. School Dist. let contract to Allen & Allen, San Antonio, for \$30,000, 2-story, 4-classroom and auditorium brick school; A. Delisle, Archt., Houston.

Tex., San Antonio—Jud & Ormond, 703 N. Flores St., have contract for heating and plumbing for \$50,000 building for Wesleyan Institute and for Holy Ghost School.

Va., Clover—Halifax County School Bd., Halifax, let contract to E. T. Day, Roxboro, for 2-classroom and auditorium addition to school.

Va., Virgilina—Halifax County School Bd., Halifax, let contract to Buchanan & Co., Clarksville, to rebuild school recently destroyed by fire.

W. Va., Richwood—Holy Family Catholic Church, Rev. H. F. Ries, Pastor, erect \$12,000, 3-story, Textile, grade and high school; oak and maple floors, 3-ply roof; J. A. Tineher, Archt.-Contr. 7-12

Va., Williamsburg—Todd & Brown, Inc., Engrs., Contrs., 420 Lexington Ave., New York, started work on Academic Building, College of William and Mary; Perry, Shaw & Hepburn, Archts., 177 State St., Boston, Mass. 3-8



## Stores

Fla., Miami—J. M. Burdine, care Trust Company of Florida, 435 N. E. First Ave., let contract at \$23,500 to G. A. Chapman, Exchange Bldg., for remodeling one-story brick and tile building, E. Flagler St. and S. E. First Ave.; 11,000 sq. ft. floor space, 8 stores and storage loft. 6-14

Fla., Ocala—B. F. Yoakum let contract to Fisher & Reece for \$30,000, 90x40 ft., 2-story, brick, rein. steel, terra cotta trim store and office, Main St. and Ocklawaha Ave.; steam heat; P. T. Uezell, Archt., Robertson Bldg. See Want Section—Building Material and Equipment.

Ga., Atlanta—English Estate let contract at \$15,361 to Converse-Myers Co., Bona Allen Bldg., for remodeling store, 7-9 Broad St.; Pringle & Smith, Archts., Norris Bldg. 6-23

Ga., Dalton—Barrett Construction Co., Contr., started remodeling Ogelsby Building, owned by Julian Ogelsby, 1256 Marietta St., Atlanta, to be leased to The Acorn Stores, Inc.

La., New Orleans—D. H. Homes Co., Ltd., 329 Carondelet St., has permit for new show windows, 819 Canal St.; \$25,000; Geo. J. Glover Co., Inc., Contr., Whitney Bldg.; Favrot & Livaudais, Archts., Hibernia Bldg.

Miss., Vicksburg—Bowen Construction Co., El Paso, Tex., Contr., for S. H. Kress & Co., 114 Fifth Ave., New York, started work on \$60,000, 3-story and basement, 50x150 ft., brick, terra cotta trim store, 1312-14 Washington St.; hardwood floors, elevator; E. J. T. Hoffman, Archt. 4-12

Mo., Cape Girardeau—John Jaeger let contract to Adam Halter for one-story and basement, 40x80 ft., brick, terra cotta trim store, 818 Broadway; steam heat; Reither & Lindsay, Archts.

Mo., Clayton, St. Louis—Walter H. Ware, 3504 Washington St., erect 170x65 ft., brick store, Forsythe Ave.; Hercules Construction Co., Contr.

Mo., St. Louis—Maxsol Investment Co., 816½ Chestnut St., excavating for \$40,000, 2-story and basement, 73x55 ft., brick store and apartment, 3953-57 Clare Ave.; tar and gravel roof, hardwood floors, steam heat; Weinberg Construction Co., Contr., 816½ Chestnut St.; Ben Shapiro, Archt., 4202 HOLLY Ave. 6-28

Mo., St. Louis—Jas. C. McKim, 7500 Michigan Ave., erect one-story, brick addition and remodel store; Hy Hinrichs, Jr., Contr., 3436 Juniata St.; O. J. Popp, Archt., 1528 Arcade Bldg.

N. C., Asheville—Dr. W. B. Mason and Thos. Raoul, of Biltmore Forest, let contract to John M. Geary Co., 35 N. French Broad Ave., for \$50,000, 2-story building on Battery Park Ave., for Hursey & Co., Patten Ave., jewelry establishment.

N. C., Raleigh—A. F. Gurkin, 1414 Glenwood Ave., started work on 3-story, 60x84-ft. brick store and apartment building, Glenwood and Fairview Aves.; oak and cement floors, comp. roof, brick foundation; owner builds. See Want Section—Building Material and Equipment. 7-5

Okla., Tulsa—James E. Duffey, 1131 E. 21st Place, started work on \$200,000, 2-story, 125x140 ft., Spanish type store, 7th and Main Sts.; 9 stores or shops; John T. Blair, Archt., Palace Bldg.; Hayden & Reed have contract for roughing in the building; Ed Hughes, carpenter work. 6-7

Tenn., Memphis—Model Shoe Rebuilt Co., 111 Madison St., let contract to S. & W. Construction Co., 983 Shrine Bldg., for remodeling old Franklin Savings Bank Bldg., Madison Ave. near Main St.; \$20,000, 3 stories, 50x100 ft.; Hanker & Cairns, Archts., 123 S. Court St.

Tex., Big Springs—J. W. Allen & Sons let contract to J. W. Skipworth; Lamesa, for \$35,000, 2-story store, office and apartment building, Third and Runnels Sts.

Tex., Corpus Christi—W. K. and Mrs. M. C. Rogers and George Herder, Jr., erect \$14,800, one-story, 100x50 ft., brick and tile store, Leopard and Caranachua Sts.; J. A. Walsh, Contr., Country Club Place.

Tex., Dallas—T. R. Freeman, 5110 Mission St., let contract to J. L. Stockey, Clermont near Lindsley Ave., for \$14,000, one-story, 50x75 ft., brick and hollow tile store, Oak Lawn Ave.; asphalt built-up roof, terrazzo floors; F. J. Woerner & Co., Archts., Central Bank Bldg. See Want Section—Building Material and Equipment. 7-12

Tex., Dallas—Clarence Saunders, 209 N. Lamar St., erect brick store on Oak Lawn Ave. near Herschel St.; terrazzo floors, stone trim; J. L. Stockey, Contr.; F. J. Woerner & Co., Archts., Central Bank Bldg.

Tex., Houston—Capital & Jacinto Corp. started work on alterations to first floor of 3-story, 39x99 ft. office building; new floors, stairs, show windows, misc. and ornamental iron and brass, elevator fronts, rubber tile over present floor; \$15,000; Don Hall, Contr., 522 Cotton Exchange Bldg.

Tex., San Antonio—Harry Williams, Dunning St., has permit for \$23,000, 2-story,

146x43 ft., brick building, Hackberry and Berkshire Sts.; Chas. W. Baxter, Contr., 305 Houston Bldg.; J. Clyde & Percy W. Williams, Archts., Moore Bldg.

Tex., Temple—N. G. Charlton, owner of Southside Drug Store, erect \$10,000, brick, fireproof store; Guy H. Baker, Contr.

Tex., Waco—W. T. Bruyere, Contr., 1110 Webster Ave., started work on remodeling 2-story building, 5th and Austin Sts., for Metropolitan chain stores; \$25,000.

Va., Norfolk—Smith's Booterie, Inc., W. T. Smith, Pres., 41-42 Alsace Bldg., let contract to Blaine Graham Construction Co., Inc., Arcade Bldg., for \$125,000, 4-story, brick building, Boush St. and College Pl. 7-12

Va., Richmond—Union Security & Realty Corp., American Natl. Bank Bldg., erect brick stores, 917-21 Hull St.; \$10,000; Wise Granite & Construction Co., Contr., American Natl. Bank Bldg. 7-12

Va., Winchester—Herman H. Hable, Builder and Realtor, erecting 2-story and mezzanine building, 27-29 S. Loudoun St., for Montgomery Ward & Co., Chicago; brick, fireproof, tile trim, elevators, 20,000 sq. ft. floor space.

## Theaters

Md., Baltimore—Henry W. Podolsky, Bldr., 217 N. Calvert St., erect \$200,000 Harlem Theater on Gilmor St. between Edmondson and Harlem Aves. for Fidelity Amusement Corp.; 61x150 ft., fireproof, brick, probably conc. floors; seat 1050 people; Theodore Wells Pietsch, Archt., American Bldg.

## Warehouses

Ga., Atlanta—Massell Realty Co., 61 Poplar St., N. W., has permit for \$15,000, 2-story and basement, brick warehouse, 183 Walker St., S. W.

Ga., Atlanta—Atlanta, Birmingham & Coast Rwy. let contract to Gilbert Beers, Bona Allen Bldg., for \$10,000, one-story, 50x120 ft., brick warehouse on Haynes St.; 5-ply tar and gravel roof.

Tex., Dallas—C. T. Shook, Ervay and Combs St., let contract to Rogers & O'Rourke, Construction Bldg., for \$56,000, 4-story, 40x100 ft. and 25x100 ft., L shaped, conc. brick and tile warehouse; comp. roof, cement floors; Coburn & Fowler, Archts.-Engrs., 2006 Republic Bldg. See Want Section—Building Material and Equipment. 7-12

# WANT SECTION

## THE CLASSIFICATIONS IN THIS SECTION ARE:

### Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

### Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

### Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

## Machinery and Supplies

**Asbestos Shingle Machinery.**—J. B. Branch, Supt. of De La Howe State School, Willington, S. C.—Wants prices and data on asbestos shingle machinery.

**Boilers.**—Joseph L. Pearson (Machy. Dealer), Route 1, Keysville, Va., wants 20 to 30 h.p. self-contained boiler with grates; prefer slab burner on skids; also 25 to 30 h.p. self-contained marine boiler, high pressure.

**Broom Handle Machinery.**—H. K. Caldwell, Brock Road, Va.—Wants prices and data from manufacturers of broom handle lathes, and from dealers in second-hand machinery of this sort; prefer those not so very far from Brock Road, Va.

**Chlorinator.**—Stillwater, Okla., G. M. Thompson, Mayor, wants data and prices on water chlorinator.

**Concrete Buggies.**—J. Mackentepe, 119-21 W. Third St., Cullman, Ala.—Wants prices and data on second hand and new 6 or 7 cu. ft. conc. buggies.

**Deisel Oil Engine.**—Centerville, Miss., H. S. Archer, Clerk—Wants 180 h. p. or larger Deisel oil engine; with necessary electrical equipment; delivery Centerville.

**Electrical Equipment and Wiring.**—Gordon & Plessinger, Romney, W. Va., want bids at once on electrical equipment and wiring for \$27,000 filtration plant.

**Electric Trolley Hoist.**—Burns Bottling Machine Works, Samuel T. Williams, 2329 Kirk Ave., Baltimore, Md.—Wants prices and data on 2000 lb. electric trolley hoist, new or second hand, current is now single phase 60 cycle, 220 V., but will change to 3 phase.

**Engine Generator.**—Hackley Morrison Co., Inc., 204-6 N. Jefferson St., Richmond, Va.—Wants 150 R.W., DC., 110 V. direct connected engine generator set, Uniflow preferred, for non-condensing operation.

**Generator.**—Michael & Bivens, Inc., F. C. Michael, Pres., Gastonia, N. C.—Wants 400 to 500 kw. belted generator, 550 V. 60 cycle, 3 phase.

**Hoist.**—J. Mackentepe, 119-21 W. Third St., Cullman, Ala.—Wants prices and data on second hand and new single drum hoist.

**Internal Combustion Oil Engines.**—American Peanut Corp., Norfolk, Va.—Wants prices and data on two 100 h. p. internal combustion oil engines.

**Pipe Cutting Machine.**—Seeley Co., Inc., 101 Marietta Bldg., Atlanta, Ga., wants cut-

ting machine, to cut 10 or 12 in. pipe; belt drive, revolving dies; second hand or reconditioned will answer.

**Pipe (Spiral Riveted).**—Howard C. Elliott, 315-16 Olympia Bldg., Miami, Fla.—Wants 500 ft. of 16-in. and 500 ft. of 30-in. spiral riveted pipe.

**Punch and Shear.**—U. S. Welding and Iron Works, S. DeBogory, Mgr., 426-28 N. W. First Court, Miami, Fla.—Wants prices and data on one or more Pels triple combination punch and shear, Nos. 13, 16, 20 or 22, or machine of same style, in good second-hand condition; state condition, accessories, etc.

**Stamping Machinery.**—H. S. Johnson, Erwin, Tenn.—Wants prices and data on stamping machinery for manufacturing combination pencil and clip.

**Steam Driven Compressors.**—Duval Texas Sulphur Co., Second Natl. Bank Bldg., Houston, Tex.—Wants prices and data on 2 used steam driven, air compressors, of following principal characteristics: Steam pressure 90 lbs., air pressure 400 to 500 lbs. per sq. in., volume 350 to 500 cu. ft. per minute.

**Vulcanizing and Retreading Machinery.**—Five O Five Tire Service, P. O. Box 724, Monroe, La.—Wants prices and data on vulcanizing and retreading machinery.

Rose Cliff Co., Waynesboro, Va., wants:  
 (1) **Packing House Equipment**—for orchard products  
 (2) **Pulleys**  
 (3) **Belting**  
 (4) **Motors.**

Guerin Lumber Co., Inc., Henry H. Guerin, Melbourne, Fla., wants following for cold storage plant:

- (1) **Cork Insulating**  
 (2) **Refrigerating Machinery.**

W. M. Smith & Co. (Equip. Dealers), Birmingham, Ala., want following:

- (1) **Overhead Crane**—50 ft.; consider used equipment  
 (2) **Scrap Magnet**—60 inch  
 (3) **Electric Street Railway Equipment**—complete.

#### Miscellaneous

**Bank Fixtures.**—P. O. Box 307, Albertville, Ala.—Wants second-hand banking room fixtures.

**Peach Baskets and Crates.**—S. O. Roberts, Inman, S. C.—Wants prices and data on peach baskets and crates.

**Peach Basket and Crate Machinery.**—S. O. Roberts, Inman, S. C.—Wants prices and data on machinery to make peach baskets and crates.

**Abe Snell, U. S. Veterans' Hospital 90, Muskogee, Okla.,** wants prices and data on following for making leather purses:

- Metal Purse Frames**  
**Glass Bands.**

Rose Cliff Co., Waynesboro, Va., wants:

- (1) **Office Furniture**  
 (2) **Horticultural Equipment.**

Henry Turner, 105 Flagler Arcade, Miami, Fla.—Wants to correspond with picture frame gilders supply houses.

#### Building Material and Equipment

H. A. Magee, 4415 Richard Pl., St. Louis, Mo., wants prices on following for two \$9500 tenements:

- Mail Chutes**  
**Marble**  
**Roofing**—asphalt shingle.  
 Rose Cliff Co., Waynesboro, Va., wants:  
**Roofing**—iron  
**Lumber.**

B. F. Mitchell, Archt.-Contr., Box 118, Goose Creek, Tex., wants prices on following for \$10,000 store for J. D. Hunnicutt, Baytown, Tex.:

- Electric Refrigerators**  
**Flooring**—tile, composition  
**Metal Ceilings**  
**Metal Doors**  
**Rolling Partitions**  
**Roofing (flat)**—built-up  
**Ventilators**  
**Steel Sash and Trim**  
**Wire Glass**  
**Brass and Bronze Work**

J. M. Pfluger, San Angelo, Tex., wants prices on following for \$15,000 residence:

- Cast Stone**  
**Electric Refrigerators**  
**Flooring**—hardwood, tile  
**Mail Chutes**  
**Roofing**—tile  
**Sprinklers**  
**Tile**—hollow  
**Wire Glass.**

F. J. Woerner & Co., Archts., Central Bank Bldg., Dallas, Tex., wants prices on following for Jno. M. Sayeg:

- Cast Stone**  
**Flooring**—terrazzo, tile  
**Metal Ceilings**  
**Roofing (flat)**—built-up, tile  
**Ventilators.**

Richards Construction Co., Empire Bldg., Clarksburg, W. Va., wants prices on following for \$100,000 Masonic Temple addition:

- Cast Stone**  
**Elevators**  
**Flooring**—hardwood  
**Metal Elevator Doors**  
**Roofing**—tile  
**Tile**—hollow  
**Terra Cotta Trim**  
**Vaults.**

C. W. Gorges, Contr., 7210 Cambridge St., University City, St. Louis, Mo., wants prices on following:

- Flooring**—terrazzo, tile  
**Incinerator**  
**Marble**  
**Brass and Bronze Work.**

J. P. Corley Lumber Co., Manchester, Ga., wants prices on following:

- Dumb Waiters**  
**Electric Refrigerators**  
**Flooring**—hardwood, linoleum, tile, composition

**Incinerator**  
**Mail Chutes**  
**Marble**  
**Roofing**—built-up  
**Steel Sash and Trim.**

Donald McCormick, Archt., 1012 Atlas Life Bldg., Tulsa, Okla., wants prices on following for \$30,000 dwelling:

- Dumb Waiters**  
**Flooring**—hardwood, terrazzo, tile  
**Incinerator**  
**Roofing (hip)**—tile  
**Tile**—hollow  
**Travertine Marble.**

J. C. Lane, Bainbridge, Ga., wants prices on following for one story store:

- Brick**  
**Roofing (hip)**—asbestos shingle, asphalt shingle  
**Tile**  
**Ventilators.**

Uzzell S. Branson, Archt., Farmers Bank Bldg., Blytheville, Ark., wants prices on following for \$50,000 church:

- Flooring**—hardwood  
**Limestone**  
**Roofing**—asphalt shingle.

Coburn & Fowler, Archts.-Engrs., 2006 Republic Bldg., Dallas, Tex., wants prices on following for 4-story warehouse for C. T. Shook:

- Cast Stone**  
**Electric Refrigerators**  
**Flooring**—cement  
**Metal Doors**  
**Roofing (flat)**—built-up  
**Steel Sash and Trim**  
**Tile**—hollow  
**Ventilators**  
**Wire Glass**  
**Brass and Bronze Work.**

F. J. Woerner & Co., Archts., Central Bank Bldg., Dallas, Tex., wants prices on following for \$14,000 apartment for S. R. Freeman:

- Cast Stone**  
**Flooring**—terrazzo  
**Metal Ceilings**  
**Roofing**—built-up.

Fisher & Reece, Contrs., Ocala, Fla., wants prices on following for \$30,000 store and office for B. F. Yoakum:

- Elevators**  
**Flooring**—hardwood, terrazzo, tile  
**Metal Doors**  
**Roofing**—built-up  
**Stairways**—steel  
**Steel Sash and Trim**  
**Terra Cotta Trim.**

Louie Dickens, Carthage, Miss., wants prices on 6x6-in. red quarry tile; also on bathroom tile; for \$25,000 school.

A. F. Gurkin, 1414 Glenwood Ave., Raleigh, N. C., wants prices on following for 5-story, 60x84-ft. store and apartment:

- Electric Refrigerators**  
**Flooring**—hardwood  
**Mail Chutes**  
**Metal Ceilings**  
**Plaster Board**  
**Sprinklers**  
**Ventilators.**

Chas. C. Wilson, Archt., Palmetto Bldg., Columbia, S. C., wants prices on following for \$75,000 hospital, Tryon, N. C.:

- Dumb Waiters**  
**Electric Refrigerators**  
**Flooring**—linoleum, terrazzo, composition  
**Incinerator**  
**Metal Doors**  
**Roofing (hip)**—slate  
**Steel Sash and Trim**  
**Tile**—gypsum, hollow.

W. C. Lester, Archt., 826 Dermon Bldg., Memphis, Tenn., wants prices on following for \$15,000 dwelling:

- Electric Refrigerators**  
**Flooring**—hardwood, tile  
**Limestone**  
**Roofing**—asphalt shingle.

H. F. Kuehne, Archt., 824 Littlefield Bldg., Austin, Tex., wants prices on following for \$90,000 hospital:

- Cast Stone**  
**Dumb Waiters**  
**Electric Refrigerators**  
**Elevators**  
**Flooring**—linoleum, terrazzo, tile  
**Incinerator**  
**Roofing**—built-up.

#### Bids Asked

**Bridge.**—Hinton, W. Va. See Construction News—Roads, Streets, Viaducts.

**Bridges.**—State of North Carolina. Bids for 2 bridges. See Construction News—Roads, Streets, Paving.

**Bridges.**—Port Gibson, Miss.—Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—State of Maryland. Bids for 2 bridges. See Construction News—Roads, Streets, Paving.

**Bridge.**—Fort Worth, Tex. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—State of Louisiana. Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Cement.**—Panama Canal, A. L. Flint, Gen. Pur. Agt., Washington, D. C.—Bids July 24 for Portland cement; Sch. 1888.

**Cresosoted Lumber, Cross Ties.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids July 31 for cresosoted southern yellow pine or Douglas fir cross ties; Sch. 1889.

**Drainage, etc.**—Bd. of Commrs. of Sub-Dist. No. 4 of Grassy Lake and Tyroneza Drainage Dist. No. 9, Mississippi County, Osceola, Ark.—Bids July 27 for constructing drainage and flood protection works involving 55 miles of cleaning out existing ditches and 575,000 cu. yds. of enlargement of existing ditches and digging new ditches; plans from Morgan Engineering Co., Goodwyn Institute, Memphis, Tenn.

**Dredging.**—U. S. Engr. Office, Galveston, Tex.—Bids Aug. 15 for dredging Channel between Aransas Pass and Corpus Christi, Tex.; information on application.

**Dredging, etc.**—U. S. Engr. Office, Montgomery, Ala.—Bids Aug. 10 for dredging and building sand dykes in Chattahoochee River, Ga., and Alabama.

**Electrical Supplies.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids July 25 for furnishing electrical supplies, delivery Quantico, Va.

**Envelopes and Wrappers.**—Pur. Agt., P. O. Dept., Washington, D. C.—Bids Aug. 7 for stamped envelopes and newspaper wrappers for postal service for period of 4 years, beginning Jan. 1, 1929.

**Floating Station.**—U. S. Coast Guard Headquarters, Washington, D. C.—Bids Aug. 2 for constructing floating Coast Guard station for Louisville, Ky., consisting of steel hull, wood frame superstructure, and appurtenances.

**Flooring.**—Bd. of Awards, Office of City Register, Baltimore, Md.—Bids July 25 for furnishing, delivering flooring for several schools for Dept. of Education.

**Fuel Oil.**—Quartermaster Supply Officer, Washington, D. C.—Bids Aug. 3 for 100,000 gals. fuel oil.

**Gravel.**—Bastrop, La. See Construction News—Roads, Streets, Paving.

**Gymnasium Apparatus.**—Building Committee of School Dist. No. 1, East Baton Rouge, La.—Bids July 25 for gymnasium apparatus to Baton Rouge Senior High School.

**Incinerator.**—City, O. F. Holcombe, Mayor, Houston, Tex.—Bids Aug. 1 for construction of West End incinerator; plans from City Engr.

**Insignia, etc.**—Quartermaster Depot, Philadelphia, Pa.—Bids July 23 for 7775 gold-plated collar insignia; converting 32,089 bronze collar insignia to gold plate; 4300 silver bars and 500 bronze medals.

**Levees.**—Mississippi River Comm., Fourth Dist., Maj. W. H. Holcombe, Dist. Engr., New Orleans, La.—Bids Aug. 6 for approximately 6,300,000 cu. yds. earthwork in levees. See Construction News—Miscellaneous Construction.

**Levees.**—Dist. Engr., Mississippi River Comm., First and Second Dists., 1006 McCall Bldg., Memphis, Tenn.—Bids July 25 for furnishing labor and materials for constructing 389,000 cu. yds. of earthwork in lower St. Francis and White River Levee Dists.

**Lumber.**—Quartermaster, Marine Corps, Washington, D. C.—Bids July 23 for 37,000 ft. b. m. pine lumber.

**Lumber.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids July 23 for lumber, delivery Quantico, Va.

**Opera Chairs.**—Natchitoches Parish School Bd., Natchitoches, La.—Bids July 24 for 500 opera chairs for Readhimer and Flora High Schools.

**Painting.**—Bd. of Awards, Baltimore, Md.—Bids July 25 for painting exterior wood and metal and interior of old Western High School.

**Paving, etc.**—Mexico, Mo. See Construction News—Roads, Streets, Paving.

**Paving.**—Tuscaloosa, Ala. See Construction News—Roads, Streets, Paving.

**Paving.**—Vicksburg, Miss. See Construction News—Roads, Streets, Paving.

**Roads.**—Belzoni, Miss. Bids for 2 roads. See Construction News—Roads, Streets, Paving.



**Roads.**—State of Maryland. Bids for 5 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Jackson, Miss. See Construction News—Roads, Streets, Paving.

**Roads.**—Towson, Md.—Bids for 5 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of North Carolina. Bids for 22 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Mobile, Ala.—Bids for 6 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Bastrop, La. See Construction News—Roads, Streets, Paving.

**Roads.**—Sedalia, Mo.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Jackson, Miss. See Construction News—Roads, Streets, Paving.

**Roads.**—Greenville, S. C. Bids for 13 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Greenville, S. C. See Construction News—Roads, Streets, Paving.

**Sanitary Sewers.**—Town Council, Columbiana, Ala.—Bids Aug. 3 for 10,660 lin. ft. of 8-in., 1020 lin. ft. of 10-in., 2630 lin. ft. of 12-in. sewer; 41 manholes, 372 8x4 wyes; 400 cu. yds. rock excavation, 190 cu. yds. Class A conc. 18,000 lbs. rein. steel.

**Sheet Metal Products.**—G. L. Bobbit, Franklinton, N. C.—Wants to correspond with manufacturers of sheet metal products, such as mail boxes and U. S. mail equipment.

**Steel Tank and Tower, etc.**—City, R. L. Hickman, Mayor, Boerne, Tex.—Bids Aug. 8 for furnishing cast iron pipe, fittings, valves, fire hydrants and erecting 75,000 gal. standard steel tank and tower.

**Storm Sewers.**—City, O. F. Holcombe, Mayor, Houston, Tex.—Bids Aug. 15 for storm sewer. See Construction News—Sewer Construction.

**Street.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Street.**—Danville, Ky. See Construction News—Roads, Streets, Paving.

**Streets.**—Birmingham, Ala. See Construction News—Roads, Streets, Paving.

**Street.**—Barnesville, Ga. See Construction News—Roads, Streets, Paving.

**Street.**—Webster Groves, Mo. See Construction News—Roads, Streets, Paving.

**Street.**—Clayton, Mo. See Construction News—Roads, Streets, Paving.

**Tanks.**—City Council, Marlin, Tex.—Bids Aug. 7 for constructing 2 Imhoff tanks and 1 inlet tank; work will require approximately 950 cu. yds. earth excavation; 256 cu. yd. conc., 16,700 lbs. rein. steel and 100 lin. ft. 10-in. diameter vitrified tile pipe; plans from Leve Goodrick, City Engr.

**Turbine and Pumps.**—Sewerage and Water Bd., Room 401, 526 Carondelet St., New Orleans, La.—Bids Sept. 6 for 15,000 kw. turbine, and pumps for drainage system.

**Water Works.**—City, M. G. James, Sec., Dallas, Tex.—Bids Aug. 10 for following: Purification Plant—32,000,000 g. p. d., to be let in 2 contracts, general contract to include construction work, such as basins, buildings, etc.; contract for filter piping and equipment to cover furnishing and installation of filter equipment proper; plans from David Morey, Jr., 417 Praetorian Bldg., Dallas.

**Pumping Equipment.**—Furnishing and erecting following at Buchanan's Dam: two 15 M. G. D. turbine driven pumping units complete with all auxiliaries; three 15 M. G. D. motor driven pumping units complete with motors, two 750 KV-A. turbo-generator complete with all auxiliaries; three 300 h. p. water tube boilers; plans from J. B. Winder, Ch. Engr. of Water Dept.

**Water Distribution System.**—Furnishing and laying of pipe lines, together with appurtenances: 52,460 ft. 36-in. for 300 ft. head, 21,900 ft. 36-in. for 200 ft. head, 3000 ft. 30-in. for 300 ft. head, 21,990 ft. 30-in. for 200 ft. head, 3300 ft. 24-in. for 300 ft. head, 6900 ft. 24-in. for 200 ft. head, 3600 ft. 18-in. for 200 ft. head, 2500 ft. 16-in. for 200 ft. head; plans from J. R. John, Engr. of Water Dept.

**Gate Valves.**—5 16-in. and 2 18-in. gate valves, vertically operated without by-pass valves, vertically operated without by-pass or gearing, five 24-in., 8 30-in. and 16 36-in. gate and bevel gear; 2 36-in. gate valves, vertically operated, hydraulic control; all valves shall be subjected to hydrostatic test of 300 lbs. at factory and guaranteed for working pressure 150 lbs.; iron body, bronze mounted, double gate, and made in strict conformity

to latest specifications of American Water Works Assn.; all prices quoted are to be f. o. b. cars, Dallas, Tex.

**Water and Sewer.**—City Council, High Point, N. C.—Bids July 24 for following water and sewer improvements: Trenching, backfilling and laying 8700 ft. of 24-in., 2600 ft. of 16-in., 10,605 ft. of 12-in., 3100 ft. of 6-in., and 2325 ft. of 2-in. c. i. water line complete; setting 7 24-in., 4 16-in., 12 12-in., and 4 6-in. valves with casing; setting 3 2-in. valves with boxes; setting 2 6-in. steamer hydrants; trenching, backfilling and laying 9450 ft. of 8-in. terra cotta sewer; constructing 24 manholes; furnishing following materials f. o. b. cars High Point: 7 24-in. bevel gear, gate valves with by-pass, H. E.; 4 16-in. spur gear, gate valves with by-pass, H. E.; 14 12-in. gate valves, H. E.; 25 6-in. gate valves, H. E.; 25 6-in. steamer hydrants; 8790 ft. 24-in., 2600 ft. of 16-in. and 10,605 ft. of 12-in. of Class "B" cast iron pipe; 27 tons of cast iron fittings.

**Webbing.**—Depot Quartermaster, Marine Corps, Philadelphia, Pa.—Bids July 23 for 200,000 yds. khaki webbing.

### Financial Notes

**Kentucky Savings and Building Assn.**, \$500,000 capital, merged with Commonwealth Building Assn., \$1,000,000 capital, as Commonwealth Building Assn., 620 Jefferson St., combined capital \$1,500,000; T. A. Luman, Pres., Louisville, Ky.; T. N. Williams, Sec.

**Virginia Banking Co., Inc.**, Jas. P. Hart, Pres., S. B. Pace, Sec., Roanoke, Va., plans increasing capital, \$50,000 to \$100,000.

**Rogers Caldwell, Luke Lea and Edward Potter, Jr.**, Nashville, Tenn., purchased control of Manhattan Savings Bank and Trust Co., Memphis; Hirsch Morris will remain President; Frank T. Cochran, Cashier; Manhattan Savings Bank and Trust Co. has purchased assets of two other Memphis banks: Fidelity Bank and Trust Co., and City Savings Bank; plans increasing capital \$350,000 to bring surplus and undivided profits in excess of \$750,000.

**Investment Securities Co.**, H. A. Borders, V.-P. and Gen. Mgr., El Paso, Tex., plans increasing capital, \$50,000 to \$250,000.

**Kentucky Loan and Building Assn.**, Newport, Ky., plans increasing capital, \$16,000,000 to \$17,000,000.

**Stockholders of Republic Natl. Bank of Dallas, Tex.**, formally ratified action of directors in changing name of bank to Republic Nat. Bank & Trust Co., merging into one bank business of former Republic Natl. Bank and Republic Trust & Savings Bank, affiliated, and now in liquidation; stockholders and directors completed organization of Republic National Co., subsidiary of Republic Natl. Bank & Trust Co.; W. O. Connor, Pres.; Wirt Davis, Chmn. of Executive Committee.

### Trade Literature

**Steel Windows.**—Under the title "Truscon Continuous Steel Windows and Mechanical Operators" the Truscon Steel Company, Youngstown, Ohio, has issued a new catalog, No. 126, which also may be described as "a treatise on efficient daylighting and controlled ventilation for industrial buildings," as the company puts it.

**Sheet Steel.**—"Travel and Sheet Steel" is the leading article in the July issue of "Making Markets," a magazine of sales information published by the Sheet Steel Trade Extension Committee, Cleveland, Ohio. There are several other articles of interest and value, set off with fine illustrations.

**Charleston, S. C.**—The handbook of the Port Utilities Commission of Charleston, S. C., is a booklet of value to corporations and individuals in all parts of the country. Facts about the port are presented in great detail and in interesting fashion.

**The Marion Line.**—Nine catalogs covering the complete Marion line of machinery and equipment have been issued by the Marion Machine, Foundry & Supply Co., Marion, Ind. Section A describes the Marion line of soot blowers for water tube boilers and horizontal return tubular boilers. Section B tells of the heavy-duty mechanical stokers, semi-mechanical stokers, hand fire stokers and double-roll coal crushers. Section C is devoted to Marion master grates, Scottsdale grates, Marion rocking grates, Marion rocking and dumping grates, Keystone rocking grates, Marion bagasse grates, Marion forced-draft grates, Marion straight and circular grates, boiler fronts, lime-kiln fronts, coal crushers, oil-burning furnace and electric air supply indicator. Section D describes the Marion line of materials handling equipment, including Scottsdale steel tipples, shaking and gravity screens, picking tables, loading booms, self-dumping and platform cages, slate laries, coal crushers, etc. Section E covers the Marion clay machinery line of rust clay feeders and mixers, Eli brick machines, pug mills, disintegrators, elevators and brick and tile barrows. Section F covers municipal castings, such as manhole frames and lids, sewer inlets, water meter boxes, sewer tile gratings, pipe pushing machines, water meter yokes, ornamental lamp posts, traffic signs, inlets for road and farm drainage. Section G describes the Marion Gulf Stream water heater, traps, thermostats and tanks. Section H covers miscellaneous industrial equipment and appliances, such as wrenches, boiler tubes, packing, hose, insulation, valves, gauges, thermometers, threading tools, paints, belt dressing, brick bond, furnace lining, car movers, etc. Section No. 7 of the Marion line of catalogs illustrates Marion metal buildings for use as tool safes, engine houses, garages, filling stations, etc.

**Hampton Roads.**—The Port of Hampton Roads embracing Norfolk, Portsmouth and Newport News, Va., is illustrated and described in a folder issued by the State Port Authority of Virginia. It shows the comprehensive facilities of rail terminals, docks, great coal piers, grain elevators and warehouses. Merchandise piers, single, double decked and open, are pictured with special devices for handling bulky commodities as well as general mechanical equipment such as gravity and power conveyors, cranes, gas and electric trucks, tractors and trailers, clam shell grab buckets, tiering machines, etc. The folder presents in concise form and condensed facts the advantages offered by the Port of Hampton Roads to shippers and receivers, freight forwarding and steamship agents.

**Sabinite.**—As described in a booklet issued by the United States Gypsum Company, Chicago, Sabinite is a practical, fireproof, sound absorbent "for the correction of auditorium acoustics during construction and for the reduction of noise levels in office and hotel buildings, hospitals," and so on. It is an acoustical plaster and is applied in lieu of the usual finish.

**Steel Partitions.**—Diagrams for the use of steel partitions for office, factory, toilets and showers, together with suggested specifications for architects, are given in a booklet issued by the Atlanta Sheet Metal Works, Inc., Atlanta, Ga. The names of many users of the company's products are mentioned, with illustrations of two great plants in which the partitions have been installed.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Kimberly-Clark Shares Offered.

One hundred and forty thousand shares of the Kimberly-Clark Corporation, manufacturing paper and specialties and also interested in the sale of timber, are offered at \$52 a share by Hallgarten & Co., Lehman Brothers and the First Wisconsin Company, the shares being common stock of no par value. The Kimberly-Clark Corporation was formed to take over the assets and business of the Kimberly-Clark Company, which started business in 1872 with an initial investment of \$30,000, and which developed to present proportions mainly through investment of surplus earnings. The corporation is chartered under the laws of Delaware and is said to have assets of \$8,668,431, as against current liabilities of \$3,872,309.

### Timber Property for Sale.

Approximately 200,000,000 feet of timber, on 17,500 acres, belonging to the Hyde County Land and Lumber Company, near Swanquarter, Hyde county, North Carolina, will be offered at a sale to be held at that place on August 28. A thoroughly equipped plant, including 50,000 feet capacity sawmill, shops, office, houses and personal property, 90 per cent pine, 25 per cent gum, 20 per cent tupelo and 15 per cent cypress and miscellaneous hardwoods also are offered. A standard gauge railroad is included and shipment also can be made by water. For particulars address Clarence E. Martin, Peoples Trust Building, Martinsburg, W. Va.

### R. J. Pearse & Associates.

The firm formerly known as Pearse-Robinson of Birmingham, Ala., and Des Moines, Iowa, has dissolved partnership; F. A. Robinson is in charge of the Des Moines office, and the firm of R. J. Pearse & Associates has taken over the Southern office. It is carrying on an extensive work along the lines of laying out subdivision work, private estates and problems of town planning engineering. R. J. Pearse is in charge of the Birmingham office. At present the Birmingham firm is re-designing the plans for the future development of the Minnesota State Fair at Hamblin, Minn.

### Bethlehem Shipbuilding Plant at Boston.

Addition of the Atlantic Works to its facilities at Boston, Mass., is announced by the Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa., to enlarge greatly its capacity for marine repairs and miscellaneous machine and boiler work. The plant is located in East Boston, on the main ship channel, near the Simpson drydock plant, and the combination will provide six drydocks ranging up to 10,000 tons and three marine railways.

### To Talk With London by Phone.

As a feature of interest and importance, the salesmen of the F. E. Myers & Brother Company, Ashland, Ohio, have arranged to converse by telephone from their convention at Ashland, July 24, with Guy C. Myers, vice-president, in London. P. A. Myers, president of the company, will chat with his junior executive.

### Two New Engineering Firms.

The dissolution of the firm Harrington, Howard and Ash, consulting engineers, Kansas City, Mo., has been announced, effective February 1, 1928. All work under contract will be continued and completed by the firm.

John Lyle Harrington will be joined by Frank M. Cortelyou, in the firm of Harrington & Cortelyou, to carry on a general engineering practice, concerned principally with bridges, dams and similar structures. W. E. Wilbur, C. M. Greer and S. B. Lane will be connected with the firm as principal assistant engineers.

Ernest E. Howard and Louis R. Ash will be joined by Henry C. Tammen and E. R. Needles in the firm of Ash-Howard-Needles & Tammen to carry on a general engineering practice. R. N. Bergendoff, James P. Exum and Armour T. Granger, now associate professor of engineering, University of Texas, will be connected with the firm as principal assistant engineers.

Both the new firms will have offices at 1012 Baltimore avenue, Kansas City, Mo., and 55 Liberty street, New York.

### Grant B. Shipley's New Post.

In addition to his duties as chairman of the board and president of the American Mond Nickel Company, the United States branch of the Mond Nickel Company, Ltd., of England and Canada, Grant B. Shipley of Pittsburgh, Pa., has been elected a director in the parent concern. The American Mond Nickel Company has offices at Pittsburgh and plant at Clearfield, Va., where it manufactures pure nickel and nickel alloy products of many kinds. Mr. Shipley also is president of the Century Wood Preserving Company of Pittsburgh.

### Stone Now Sales Manager of Universal Portland Cement Co.

Appointment of F. L. Stone as general sales manager of the Universal Portland Cement Co., Chicago, is announced by B. F. Affleck, president. He succeeds Blaine S. Smith, who recently resigned to become president of the Pennsylvania-Dixie Cement Corporation. Now in his eighteenth year with the Universal company, the new general sales manager started as a salesman. For the last ten years he has been assistant general sales manager.

### Equitable Trust Appointments.

The Equitable Trust Company of New York has received registrar appointments for the common stock of the United States Asbestos Company and for the common stock of the National Rubber Machinery Company, and also as transfer agent for the common capital stock of the Stanley Company of America.

### New Locomotives Announced.

The addition of gas-electric and Diesel-electric locomotives for industrial haulage to its line of Atlas storage battery and electric locomotives is announced by the Atlas Car and Manufacturing Company, Cleveland, Ohio. The company soon will give complete specifications on the new line.

### Sweet's Steel Company Official.

Samuel C. Rehman has been appointed district sales manager for the Sweet's Steel Company in the anthracite district, to be located in the company's branch office, Miners Bank Building, Wilkes-Barre, Pa.

### Acting Resident Manager.

The United Cast Iron Pipe and Foundry Company, Burlington, N. J., has appointed A. W. Lewis as acting resident manager in charge of its Cleveland works and the Cleveland sales office.

### Albemarle Soapstone Sale.

The property of the Albemarle Soapstone Corporation, near Esmont, Albemarle county, Virginia, will be sold at noon of July 30, the property including soapstone lands, quarries, railroad siding, mills, warehouses, dwellings, machinery, boilers, derricks, etc. There also is electric power. T. Munford Boyd, D. J. Wood, W. O. Fife and H. W. Walsh, Charlottesville, Va., are the special commissioners.

### Robbins & Myers, Inc., Organized.

Robbins & Myers, Inc., Springfield, Ohio, electric motors, generators and fans, has purchased all the assets of the Robbins & Myers Company, including the Robbins & Myers Company of Canada, Ltd., and announces its capital as amounting to over \$2,000,000. The officers are: W. S. Quinlan, president; C. A. Stirling, vice-president and general sales manager; O. C. Burmeister, secretary; H. L. Smeltzer, treasurer; Wm. W. Mumma, fan sales manager.

### Dickey Company in Atlanta.

The Southeastern sales office of W. S. Dickey Clay Manufacturing Company has moved to the thirteenth floor of the Candler Building, Atlanta, Ga. Sales work heretofore handled at Chattanooga, Tenn., and Macon, Ga., will be concentrated in Atlanta, covering Kentucky, Tennessee, Virginia, North Carolina, South Carolina, Georgia and peninsular Florida. The sales office and plant at Birmingham will continue to serve the same territory as formerly.

### Buys Industrial Instruments Corporation.

Purchase of the American Schaeffer and Budenberg Corporation of Brooklyn, N. Y., and Worcester, Mass., by Manning, Maxwell & Moore, Inc., New York, is announced by President Charles A. Moore, Jr., of the latter concern. The American Schaeffer and Budenberg Corporation was founded in 1851 and is one of the oldest and largest manufacturers of industrial instruments in the country. Its business will be co-ordinated with that of the Consolidated Ashcroft Hancock Company, Inc., manufacturer of valves, indicating and recording instruments.

### Landscape Architecture Makes Beauty Spots.

Instances in which landscape architecture has produced beautiful grounds and so has "added more to the contentment and pleasure of people that come in contact with a place than anything else" are given by William C. Pauley, landscape architect, Atlanta, Ga. Among the places so beautified, says Mr. Pauley, are the Rabun Gap Nacoochee Schools, Bainbridge Golf and Country Club, Bainbridge, Ga.; East View Memorial Cemetery, Rome, Ga.; College Park Memorial Cemetery, College Park, Ga., and the private estates of Clark Howell, Robert C. Alston, Philip Alston, Cam Dorsey, Charlie Shelton and B. E. Yancey.



## Engineers Study Proposed Waterway From Cumberland Sound to Mississippi River.

Tallahassee, Fla., July 10.

*Editor Manufacturers Record:*

The following information is given to the general public concerning the inland waterway being promoted by Georgia and Florida as a national project necessary to connect the two intracoastal waterways of the Atlantic and Gulf coasts:

The Rivers and Harbors Act, approved January 21, 1927, authorized the preliminary examination and economic survey of the proposed waterway from Cumberland Sound, Georgia and Florida, to the Mississippi River, in accordance with the bill introduced in Congress by Representative R. A. Green, of the Second district of Florida. The project is now under examination by a special board of Government engineers appointed by Major General Edgar Jadwin, Chief of Engineers.

The proposed route is from Cumberland Sound, via the Saint Mary's River, Okefinokee Swamp, Suwannee River, Saint Marks River, Saint George's Sound and the bays west, Mississippi Sound, Lake Ponchartrain and canal, to the Mississippi River, thus connecting the intracoastal canal of the Atlantic with that of the Gulf Coast. The present status of the project requires only that facts and figures be furnished by the canal commissions of Georgia and Florida to the engineers composing the examining board.

Major General Harry Taylor of Washington, D. C., former Chief of Engineers, now in private practice, has been engaged as consulting engineer and is making up the consolidated report, which is expected to be completed within a few weeks. Until General Jadwin has reviewed the report and the recommendations of the examining board thereon, Congress can take no further action in the matter. The state canal commissions have sole charge of this project; no organizations or individuals are authorized, under the law, to solicit any funds to promote this project, or to take any action in regard thereto, beyond giving their cooperation to the commissions, when and as requested.

Should the Georgia-Florida link be constructed, it will connect the two intracoastal waterways, thus completing the inland waterway from Cape Cod to the Rio Grande and making possible an enormous interchange of commerce between the Mississippi Valley and Atlantic States, via barge transportation, over the most direct route.

FLORIDA STATE CANAL COMMISSION.

## June Building Activity in Palm Beach and West Palm Beach Sets New Record.

West Palm Beach, Fla., July 7—[Special.]—Building permits issued in Palm Beach and West Palm Beach during June exceeded those of any month within the last two years, official records here revealed today.

Not only did June building permits come near reaching the million-dollar mark, but they exceeded the combined value of permits issued during the first five months of this year.

Figures showed building estimated at \$921,508 was started last month. Of this, \$825,700 is work in Palm Beach and consists almost entirely of new residences planned by winter visitors. West Palm Beach permits last month were \$95,808.

For the first five months this year building permits were: January, \$103,130; February, \$56,580; March, \$130,025; April, \$259,175; May, \$281,375; showing with the exception of February, a steady increase. Total for the first five months reached \$830,285. This gives a grand total of building in the two cities for the first half of this year of \$1,751,793.

## Pennsylvania Railroad Continues Boat Service.

The Pennsylvania Railroad, which recently purchased the boat lines and properties of the Baltimore, Chesapeake and Atlantic Railway, operating from Baltimore to Eastern Shore ports of Maryland and Virginia, plans to continue the service on the Chesapeake Bay and its tributaries. It has expended approximately \$285,000 for reconditioning steamers and providing equipment and is now operating on schedule with

prospects of increasing traffic. Information regarding its plans for the encouragement and development of trade between Baltimore and the Eastern Shore was divulged by the management of the Pennsylvania Railroad to a committee of the Baltimore Association of Commerce of which Joseph P. Healy is chairman.

## Maryland City Offers \$250,000 Hospital Bonds.

Cumberland, Md.—Bids will be received July 25 by the City Clerk of Cumberland for the purchase of an issue of \$100,000 and an issue of \$250,000 of Memorial Hospital bonds, the Mayor and City Council reserving the right to sell either of the two issues.

## Contract for Warehouse on Baltimore Pier.

General contract has been awarded to the P. C. Streett Engineering Company, Baltimore, by the Board of Awards, for constructing a merchandise warehouse on the new municipal pier under construction at the foot of McComas street, Baltimore. The successful bid was \$568,900. J. E. Greiner & Company, Baltimore, are the engineers.

## New Railroad Planned in Mississippi.

The Imperial Railroad Company, a new corporation, applied to the Interstate Commerce Commission last week for permission to build 150 miles of railroad in Mississippi and a line into Birmingham, Ala. M. F. Mann, Decatur, Miss., signed the application and explained that the railroad desired to serve lumber operations in the territory it proposes to traverse. The line to be followed was given as beginning at Mendenhall and extending via Carthage to other points in Mississippi. From Carthage, the application said, the company proposed to build into Birmingham. No arrangements for financing were indicated in the application.

## Plans for Four More Federal Buildings.

Washington, D. C.—Architects are expected to be selected the latter part of this month by the Secretary of the Treasury to prepare plans and specifications for four more Federal buildings to be erected here. This will mark another step in the Government's big construction program for Washington, for which Congress has already authorized an expenditure of \$50,000,000 for buildings and \$25,000,000 for the purchase of property in the Pennsylvania avenue-Mall triangle. The four buildings contemplated will include the Department of Justice Building, to be erected on the site of Center Market; Department of Labor Building, on the site of the Potomac Electric Power Company's plant; the Interstate Commerce Commission Building, at Twelfth and B streets, and the Independent Offices Building which will front on Twelfth street, near the Interstate Commerce Commission Building.

At its last session, Congress appropriated \$210,000 to pay for the preparation of preliminary plans and upon their completion, James A. Wetmore, acting supervising architect of the Treasury, will begin the work of estimating the amount of money needed to construct the buildings. These estimates will be submitted to Congress as a basis for the enactment of a measure authorizing construction. Work is already in progress on the Department of Commerce Building, on which Congress put a cost limit of \$17,500,000 and appropriated \$2,000,000 to carry construction until the next session of Congress. The Internal Revenue Building, on which a cost limit of \$10,000,000 has been placed and an appropriation of \$2,000,000 made to begin construction, is also under way, as is the Department of Agriculture Building.

City council of Bradenton, Fla., will open bids August 1 for the purchase of \$302,000 refunding bonds.

# FINANCIAL NEWS

## Bond Issues Proposed

Ala., Homewood—Birmingham—School—City votes July 31 on \$25,000 bonds.

Ark., Cotton Plant—Water, Sewer—City voted \$100,000 bonds.

Ark., Hoxie—Indebtedness—City considering receiving bids for \$10,000 bonds.

Ark., Texarkana—City Hall, Fire Department—City, S. C. Nancarrow, Mayor, receives bids Sept. 5 for \$317,000 bonds. 6-28

Fla., Bradenton—Park—City, L. L. Hine, Clk., receives bids Aug. 1 for \$110,000 5½% \$1000 denom. bonds.

Fla., Pensacola—Bridge—Escambia County plans voting Aug. 8 on about \$74,000 bonds; Winston E. Wheat, County Engr.

Fla., Pensacola—Road—Escambia County votes Aug. 7 on \$600,000 bonds. 7-5

Fla., River Junction—Water—Town, B. T. Hunt, Clk., receives bids Aug. 14 for \$50,000 6% \$1000 denom. bonds.

Ga., Oglethorpe—Courthouse—Macon County plans voting Nov. 6 on \$250,000 bonds.

Ga., Atlanta—School—Administration Dept. of School System proposes \$5,000,000 bond issue for additions and equipment.

Kentucky—State Highway Comm., Frankfort, may issue \$5,000,000 to purchase or build 9 bridges.

Ky., Hopkinsville—City considering \$25,000 bond issue for streets, fire department additions, schools.

Ky., Louisville—School—City, Wm. B. Harrison, Mayor, considering bond issue.

La., Baton Rouge—State Highway Comm., and State Bd. of Liquidation, authorized to issue \$15,000,000 bonds for bridges; may vote in Nov.

La., Jonesville—Town plans selling in July \$20,000 electric light and water plant bonds.

La., Lafayette—Filtration Plant—City plans issuing \$150,000 certificates of indebtedness; \$125,000 for plant; \$25,000, water extensions and improvements.

La., Natchitoches—Road—Natchitoches Parish, Road Dist. A-9, votes Aug. 4 on \$45,000 bonds; W. H. Airey, Pres., Police Jury.

La., Winnsboro—Town, Mayor and Bd. of Aldermen, receive bids Aug. 2 for \$15,000 bonds.

Md., Cumberland—City Clk. receives bids July 25 for \$100,000 and \$250,000 4½% \$1000 denom. Memorial Hospital bonds of 1927; Frank Billmeyer, Commr. of Finance and Revenue.

Miss., Holly Springs—Marshall County Bd. of Supvrs. called bond election for July 27 for Laws Hill Consolidated School Dist.

Miss., Corinth—Road, Bridge—Alcorn County voted \$600,000 bonds; plans selling \$200,000 in Sept. 5-24

Miss., Meridian—Lauderdale County voted \$38,000 bonds; \$35,000, Dixie Highway Consolidated School Dist.; \$3000, Suqualena Consolidated School. 6-28

Miss., Quitman—School—City voted \$50,000 bonds. 6-21

Miss., Waynesboro—Road—Wayne County, Waynesboro-Plave Separate Road Dist., voted \$15,000 bonds. 6-21

Mo., Hernando—Paving—City votes July 24 on bonds.

Mo., Kansas City—City votes Aug. 7 on \$9,500,000 bonds; \$1,000,000, municipal airport, \$5,500,000, trafficways; \$3,000,000, water system. 6-28

Mo., Sedalia—General Hospital—City, N. L. Nelson, Clk., votes Sept. 2 on \$200,000 bonds. 3-15

N. C., Greenville—Drainage—Bd. of Drainage Commrs., Pitt County Drainage Dist. I, John T. Thorne, Chmn., receives bids Aug. 1, for \$62,441 6% \$1000 denom. bonds.

N. C., Highlands—Sewer—Town, A. L. Fox, Mayor, plans \$65,000 5½% bond issue.

Okla., Chickasha—Water—City plans \$350,000 bond election.

Okla., Frederick—Road—Tillman County defeated \$875,000 bond issue. 5-31

Okla., Mangum—City voted \$120,000 bonds; \$50,000, auditorium and gymnasium; \$35,000, water softening plant; \$25,000, airport; \$10,000, fire engine. 6-14

Okla., Pond Creek—Convention Hall—City, M. E. Allen, Clk., voted \$18,000 bonds.

S. C., Aiken—City, Henry Busch, Clk.,

receives bids July 25 for \$324,500, 4½% bonds; \$82,000, indebtedness; \$25,000, sewer; \$125,000, drainage; all \$1,000 denom.; \$92,500, \$500 denom. paving. 7-5

Tenn., Cookeville—Hydro-Electric—Putnam County Election Commrs. have called \$100,000 bond election for Aug. 4.

Tenn., Covington—Road—Tipton County receives bids Aug. 8 for \$1,000,000 4½% bonds. 6-28

Tenn., Jackson—Paving—City, R. L. Bach, Recorder, receives bids July 24 for \$50,000 \$1000 denom. not to exceed 5% bonds.

Tex., Amarillo—Airport—City Comm. considering calling \$100,000 bond election about middle of Aug. 7-28

Tex., Archer City—City, H. G. Bell, Sec., voted \$150,000 bonds; \$70,000, refunding; \$40,000, sewer; \$40,000, water. 7-5

Tex., Beaumont—Tuberculosis Hospital—Jefferson County, B. B. Johnson, Judge, plans receiving bids for \$75,000 bonds. 5-31

Tex., Cisco—Sec. Bd. of Education called election for July 28 on \$50,000 bonds for Ward School.

Tex., Clarendon—Road—Donley County, J. R. Porter, Judge, votes July 28 on \$250,000 bonds.

Tex., Edna—Road—Jackson County votes July 25 on \$80,000 bonds.

Tex., Hallettsville—Lavaca County, Shiver Road Dist., contemplates \$200,000 bond election.

Tex., Hallettsville—Paving—City plans \$75,000 bond election.

Tex., Hempstead—Road—Waller County, Precinct 6, defeated \$100,000 bond issue. 6-21

Tex., Hempstead—Road—Waller County voted \$250,000 bonds for Precinct No. 1. 6-21

Tex., Higgins—Higgins Independent School Dist. voted \$40,000 bonds.

Tex., Holland—Water, Sewer, Fire Protection—Town, Sheridan Dabitt, Mayor, voted bonds.

Tex., Marlin—Sewer—City, J. M. Kennedy, Mayor, receives bids July 24 for \$38,000 5% bonds.

Tex., Marlin—Sewage Disposal Plant—City, J. M. Kennedy, Mayor, receives bids July 24 for \$38,000 5% bonds. 7-12

Tex., Pharr—Commrs., Pharr-San Juan Irrigation Dist., considering bond issue to line with conc. canals of dist.; cost \$2,000,000; H. H. Kidder, Engr., San Juan.

Tex., Weslaco—Municipal Improvement—City, D. E. Kirgan, Mayor, votes in Sept. on \$75,000 bonds.

Va., Clifton Forge—School—City, C. P. Nair, Chmn., Finance Committee, receives bids July 30 for \$175,000 4½% \$1000 denom. bonds.

Va., Hopewell—City Council considering bond issue for streets and other public improvements.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, receives bids July 24 for \$1,100,000 4½% bonds; \$400,000, sewer; \$400,000, school; \$300,000, general improvement.

W. Va., Elizabeth—Road—Wirt County, Reedy Road Dist. votes July 31 on \$37,000 bonds.

W. Va., Wellsburg—Brooke County Court considering \$1,500,000 bond election; \$400,000, courthouse; \$350,000, retire old road bonds; \$400,000, Cross Creek Dist. roads; \$350,000, Buffalo Dist. roads; may vote in Nov.

## Bond Issues Sold

Ark., Texarkana—Airport, Bridges—City, S. C. Nancarrow, Mayor, sold \$74,000 bonds to Texarkana Natl. Bank, 100, accrued interest and \$101 premium; rejected bids for \$317,000 city hall and fire department bonds. 6-28

Fla., DeLand—Volusia County Bd. of Education, V. W. Gould, Chmn., sold \$18,000 6% \$1000 denom. Special Tax School Dist. 6 bonds to Well, Roth & Irving Co., Cincinnati, Ohio, \$18,484. 6-28

Fla., Jacksonville—Improvement—City Comm. sold \$702,000 bonds to Equitable Trust Co. and Howe, Snow & Co., Inc., both New York, through American Trust Co., 101.31. 6-21

Fla., Orlando—Road—Orange County Commrs. sold \$1,100,000 5% \$1000 denom. bonds to Wright-Warlow Co., Orlando, at par. 7-5

Fla., Sanford—Refunding—City Comm., F. S. Lamson, Clk., sold \$425,000, 6% bonds to Farson Son & Co., New York, \$408,000. 7-5

Fla., Tampa—Hillsborough County Bd. of Public Instruction, W. D. F. Snipes, Sec., sold \$20,000 6% \$1000 denom. Special Tax School Dist. 7 bonds to Hillsborough State Bank, Plant City, par, accrued interest. 6-21

Ga., Decatur—Improvement—City Commrs. sold \$150,000 4½% \$1000 denom. bonds to C. H. Blount, Mgr., Decatur Branch, Fourth Natl. Bank, \$8630 premium and accrued interest. 6-12

Ga., Swainsboro—Road—Emanuel County Commrs. of Roads and Revenues, Geo. P. Edenfield, Clk., sold \$182,000 4½% \$1000 denom. bonds to Trust Co. of Georgia, Atlanta, \$3575 premium. 7-5

Ga., Thomson—City sold \$100,000 Thomson School Dist. bonds to Trust Co. of Georgia, Atlanta, premium of \$2530, accrued interest, plus expenses. 6-21

La., Rayville—Paving, Water—City, W. W. Kelly, Clk., sold \$60,000 6% bonds to L. E. French & Co., Alexandria, par, accrued interest and \$300 bonus. 6-28

La., Marksville—Avoyelles Parish School Bd., C. E. Laborde, Sec., sold \$75,000 Mansura School Dist. 10 bonds to Weil, Roth & Irving Co., Toledo, Ohio, par, accrued interest and \$750 premium. 6-21

Miss., Brookhaven—School—Lincoln County Bd. of Supvrs., sold \$75,000 5% bonds to Bank of Commerce and Trust Co., Memphis, Tenn., \$80 premium. 6-21

Miss., Hazlehurst—School—Copiah County Bd. of Supvrs. sold \$75,000 bonds to A. K. Tigrett & Co., Memphis, Tenn., \$205 premium. 6-14

Miss., Meridian—Lauderdale County Bd. of Supvrs. sold \$35,000 Dixie Highway Consolidated School Dist. bonds to Meridian Finance Corp., \$550 premium; \$3000 Suqualena Dist. to Citizens Bank, at par; both 6%. 6-28

Miss., Vicksburg—Public Improvement—City, S. S. Patterson, Clk., sold \$350,000 4½% \$1000 denom. bonds to Merchants Bank and Trust Co., Jackson, Miss., par, accrued interest and \$975 premium. 7-28

Miss., Waynesboro—Road—Wayne County Bd. of Supvrs., sold \$15,000 6% \$500 denom. Waynesboro-Plave Separate Road Dist. bonds to A. K. Tigrett & Co., Memphis, Tenn., par plus \$50. 6-21

N. C., Columbia—Water, Light—City sold \$12,500 8% bonds to Walter, Woody & Heimendinger, Cincinnati, Ohio, \$12,658 and accrued interest.

N. C., New Bern—Fire House—City, F. T. Patterson, Clk., sold \$30,000 5% bonds to Provident Savings Bank and Trust Co., Cincinnati, Ohio, \$504 premium. 7-5

N. C., Winston-Salem—Forsyth County Commrs., sold \$225,000 5½% bonds to Peo-

(Continued on page 102)

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# FINANCIAL NEWS

(Continued from page 100)

ples Natl. Bank, Winston-Salem. \$3 premium; \$125,000, schools; \$100,000, anticipation notes.

S. C., Charleston—Paving—City, W. S. Smith, Treas., sold \$56,000 4½% Series O bonds to South Carolina Natl. Bank, Charleston, \$770 discount. 6-21

S. C., Charleston—Paving—Bd. of Commr. Middle Coastal Highway Dist., Jenkins M. Robertson, Chmn., sold \$300,000 \$1000 denom. bonds to A. M. Law & Co., Spartanburg, S. C., and Harris, Forbes & Co., New York, \$2373 premium. 7-5

S. C., Great Falls—Bd. of Trustees, School Dist. No. 6, Chester County, sold \$100,000 5% \$1000 denom. bonds to Bank of Great Falls, 100.5 and accrued interest. 7-5

S. C., Moncks Corner—Highway—Berkeley County Commrs. sold \$45,000 5% bonds; \$30,000 to Provident Savings Bank and Trust Co., Cincinnati, Ohio, \$723 premium; \$15,000, Farmers and Merchants Bank, Moncks Corner, \$140 premium.

Tenn., Elizabethton—City sold \$225,000 bonds to Caldwell & Co., Nashville; street, sidewalk and sewer. 6-14

Tex., Archer City—City, H. G. Bell, Sec., sold \$150,000 5 and 5½% \$1000 denom. bonds to Brown-Crummer Co., Wichita, Kansas, par and accrued interest. 7-5

Tex., Centerville—Road—Leon County Commrs., W. D. Lacey, Judge, sold \$100,-

000 5% \$1000 denom. bonds to Ryan, Sutherland & Co., Toledo, Ohio, par, accrued interest \$1705 premium.

Tex., Dallas—City Comn. sold \$3,000,000 debenture bonds to Geo. L. Simpson & Co., Inc., and Garrett & Co., both Dallas; \$1,000,000, 6%; \$2,000,000, 5½%.

Tex., Seagraves—Water—City sold \$45,000 6% bonds to Brown & Boner, Dallas, at par.

Tex., Sherman—Road—Grayson County Commrs. sold \$245,000 4½% bonds to Garrett & Co., Dallas, par, accrued interest and \$7000 premium. 7-5

W. Va., Hinton—City sold \$16,800 street and bridge bonds to Poor & Co., Cincinnati, Ohio.

W. Va., Lewisburg—Road—Greenbrier County, Paul S. Hogsett, Clk., sold \$107,000 5% Irish Corner Dist. bonds to Poor & Co., Cincinnati, Ohio, \$108,070. 6-28

W. Va., Charleston—Road—State, Gov. Gore, sold \$1,000,000 to Mercantile Trust & Deposit Co., Baker Watts & Co., both Baltimore, Eldredge & Co., and R. H. Moulton & Co., both New York, at par and accrued interest; \$355,000, 4½%; \$645,000, 4%.

## New Financial Corporations

Ala., Birmingham—State Mortgage Co., American Traders Bank Bldg., capital \$1,000,000, opened; William M. Leary, Pres.; C. W. Smith, Jr., V.-P.; J. H. Craig, Sec.-Treas.

Fla., West Palm Beach—Edward Lane, Chmn. of Bd. of Atlantic Natl. Bank, Jacksonville, plans establishing bank in West Palm Beach.

Fla., West Palm Beach—Coastal National Farm Loan Assn., formed; R. H. Hull, Pres., Henry S. Pennock, V.-P., both Jupiter; Stafford Beach, Sec.-Treas., 202 Fern St., West Palm Beach; proposes to make loans through Federal Land Bank, Columbia, S. C., on first mortgages on farms.

Ga., Albany—City National Bank, capital \$100,000, organized; W. B. Haley, Pres.; J. B. Davis, V.-P.; Leo Leader, Cashier. 7-12

Ga., Atlanta—United States Bond and Mortgage Corp. of Georgia, capital \$1,000,000, organized; S. C. Dobbs, Jr., Candler Bldg., Pres.; Howard R. Cook, Healey Bldg., V.-P. and Gen. Mgr.; C. G. Green, Candler Bldg., Sec.-Treas.

Ga., Douglasville—First Natl. Bank of Douglasville, Broad St., capital \$25,000, organized; J. R. L. Hutcheson, Pres. 7-12

Ky., Maysville—Security Bank and Trust Co. of Maysville, capital \$100,000, chartered; Horace Cochran, Pres.; T. A. Duke, V.-P.; W. F. Varden, Cashier.

Tex., Houston—West Securities Co., organized; J. M. West, Chmn. of Bd., West Bldg.; T. H. Monroe, Pres.; W. H. Skipwith, Sec.

Va., Goshen—Bank of Goshen, capital \$25,000 to \$50,000, chartered; J. W. Paxton, Pres.; J. E. Wood, Sec.

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# History or Romance?

A history of earnings which does not indicate the manner in which fixed charges against property, depreciation and maintenance were treated is likely to be merely a historical romance. Rewritten with the facts supplied by American Appraisal Service, it becomes a history of the truth.

## THE AMERICAN APPRAISAL COMPANY

Atlanta	Cincinnati	Kansas City	New York	St. Louis
Baltimore	Cleveland	Los Angeles	Philadelphia	Syracuse
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Buffalo	Detroit	Minneapolis	San Francisco	Berlin, Germany
Chicago	Indianapolis	New Orleans	Seattle	

A N A T I O N A L O R G A N I Z A T I O N



New Issue

# 140,000 Shares Kimberly-Clark Corporation

(A Corporation of Delaware)

## Common Stock (no par value)

### CAPITALIZATION

	Presently to be Authorized	Presently to be Outstanding
First Mortgage Gold Bonds.....	\$20,000,000	\$6,000,000*
6% Cumulative Preferred Stock (par value \$100 per share).....	10,000,000	10,000,000
Common Stock (no par value).....	500,000 shares	400,000 shares

\*Series A 5% Bonds.

For information regarding this Corporation we refer to a letter of Mr. F. J. Sensenbrenner, President, which he has summarized as follows:

**"HISTORY AND BUSINESS:** Kimberly-Clark Corporation has been formed to acquire the assets and business of Kimberly-Clark Company. The business had its beginning in 1872 with an initial investment of \$30,000 and has grown to its present size mainly through investment of surplus earnings. The business consists chiefly of the manufacture of book papers for magazines and other publications, supplying at least 50 national magazine publishers, while its rotogravure paper is used in about 90% of all publications using that product in the United States. A substantial part of the earnings is derived from the manufacture of specialties, including one which is used exclusively as the basic material in the manufacture of 'Kotex,' as well as from the sale of timber. Kimberly-Clark Company owns directly or through a subsidiary (Kimberly-Clark Company, Inc.), seven plants in Wisconsin and New York, with paper production in 1927 over 141,000 tons, and 19,400 developed horsepower. Timber properties of Wm. Bonifas Lumber Company (another subsidiary) estimated sufficient to meet present capacity requirements of above plants for over 25 years.

**SPRUCE FALLS POWER & PAPER CO., LTD.:** Kimberly-Clark Company holds majority ownership of common stock, remainder being owned by New York Times Company. The Spruce Falls Company has long term contract to supply New York Times with its entire newsprint requirements, which it is expected will account for over 50% of Spruce Falls projected capacity. The first unit of its new plant, under construction for several years, has just started producing. The Spruce Falls Company represents a total investment of approximately \$27,000,000, of which \$6,500,000 was furnished by Kimberly-Clark Company, the balance representing New York Times Company investment and proceeds of the sale of bonds.

**EARNINGS:** The consolidated net earnings of the Kimberly-Clark Company and its wholly owned subsidiaries, after deducting adequate charges for depletion and depreciation, and after all taxes except Federal income taxes but deducting 12% per annum in lieu of Federal income taxes, and after deducting interest on the First Mortgage Bonds and dividends on the Preferred Stock of the new Corporation presently to be outstanding, all as certified by Messrs. Haskins & Sells, were as follows:

	Net Earnings as above	Per Share of Common Stock of New Corporation to be presently outstanding
1923 .....	\$1,395,364.16	\$2.85
1924 .....	1,977,613.69	4.03
1925 .....	2,348,734.85	4.79
1926 .....	2,607,280.15	5.32
1927 .....	2,317,367.18	4.73
1928 (First quarter).....	805,841.54 (3 months)	1.64 (3 months)
Annual Average .....	2,181,371.72	4.45

Kimberly-Clark Company has, in recent years, expended approximately \$9,000,000 (Spruce Falls investment above mentioned, \$6,500,000, balance represented by extensions of plants and properties) which has as yet produced practically no return, and from which it is expected a substantial income will eventually be derived. Net earnings for 1927 were affected substantially by the loss of production incident to the destruction of part of one of the mills, since restored to operation.

**FINANCIAL POSITION:** The new Corporation's consolidated balance sheet, based upon the consolidated balance sheet of the present Company and its wholly owned subsidiaries as of March 31, 1928, adjusted to reflect as of said date the formation of the new Corporation, the present financing, and the proposed acquisition of the net assets of Kimberly-Clark Company and its subsidiary, Kimberly-Clark Company, Inc., as certified by Messrs. Haskins & Sells, shows current assets of \$8,668,431.28, as against current liabilities of \$3,872,309.57, a ratio of over 2.2 to 1. The properties of the present Company and wholly owned subsidiaries have been appraised as of April 1, 1928, by The American Appraisal Company, the sound value (cost of reproduction new less depreciation) being fixed at \$29,485,587.60. After giving effect to said appraisal and to said transactions, the book value of the common stock of the new Corporation presently to be outstanding, as shown by the balance sheet, will amount to \$52.90 per share.

**GENERAL:** In view of the diversification and wide distribution of the Kimberly-Clark Company's products and its long established position in the trade, I look forward with confidence to the continued growth and prosperity of the business.

The principal officers and directors of the Kimberly-Clark Company are holders of a large majority of its common stock and will have substantial interests in the new Corporation. No change in management is contemplated.

Application will be made to list these Shares on the New York Stock Exchange."

We offer these shares, when, as and if issued and accepted by us and subject to the approval of counsel, Messrs. Chadbourne, Stanchfield & Levy for the undersigned, and Messrs. Quarles, Spencer & Quarles for the Company. We reserve the right to reject subscriptions in whole or in part, to allot less than the amount applied for, and to close the subscription books at any time without notice. Interim Receipts or Temporary certificates deliverable in the first instance at the office of Hallgarten & Co., 44 Pine Street, New York City.

Price: \$52 per share

Hallgarten & Co.                      Lehman Brothers  
First Wisconsin Company

The information and figures contained herein while not guaranteed, are obtained from sources which we believe to be reliable, but are in no event to be construed as representations by us.

July, 1928.

## **\$9,500,000 BONDS TO BE RESUBMITTED IN KANSAS CITY.**

### **Would Expend \$5,500,000 for Trafficways and \$3,000,000 for Water System.**

Kansas City, Mo.—The City Board of Directors will re-submit to a vote August 7, three bond issues which failed of a majority at an election on May 8. These include \$5,500,000 for trafficways, \$3,000,000 for a water system and \$1,000,000 for a municipal airport. Expenditures planned for the Water Department include: Water-softening and supply system in North Kansas City, \$600,000; 20,000,000-gallon reinforced concrete reservoir at Turkey Creek Pumping Station, \$500,000; reinforced concrete covers for two reservoirs, \$290,700; feeder and reinforcing mains, \$1,609,300.

A resolution passed by the City Council regarding the trafficways proposal specifies the following expenditures as far as practicable: \$120,000 for North Side connections; \$375,000 for Sixth street trafficway; \$1,000,000 for Winner road viaduct; \$920,000 for Southeast branches; \$300,000 for Thirty-ninth street area; \$700,000 for the Southwest trafficways; \$175,000 for Charlotte street; \$100,000 for Cleveland street; \$300,000 for Blue Valley; \$150,000 for Twentieth street; \$75,000 for Broadway-Wyandotte; \$100,000 for Warwick extension; \$285,000 for Chilham road-Pershing road; \$25,000 for Thirty-fourth street extension; \$25,000 for Chestnut street; \$500,000 for the city's share of cost of projects where city property abuts the improvement; \$250,000 for traffic signals, and \$100,000 for underpasses near schools.

The site of the airport now held under lease at the bend of the Missouri river is 1.4 miles from the Kansas City post office. The city holds an option on the tract under which it may be purchased for \$892,000, the purchase price being based on an appraisal by the Real Estate Board of Kansas City. The remainder of the \$1,000,000 bond issue would be used to improve the site. The War Department has indicated its intention of aiding in developing the field to be used by the United States Army Reserve Officers' Training School as well as by the National Air Transport, Inc.

## **\$500,000 Unit of Atlantic Beach Resort Completed—Other Facilities Planned.**

Morehead City, N. C.—Organized early in 1926 for the construction on the North Carolina coast of "one of the finest resorts in the South," the Atlantic Beach Corporation and the Atlantic Beach Bridge Corporation have expended about \$500,000 for the first unit of the development, which has been completed. Atlantic Beach is on Bogue Island, two miles across Bogue Sound from Morehead City, and is now connected with the latter by a \$200,000 bridge and causeway. The W. T. Davis Company of Beaufort, N. C., is the contractor.

Among the buildings at Atlantic Beach are the Pagoda ballroom, erected at a cost of approximately \$50,000, contract being handled by the Southeastern Construction Company, Charlotte; Pagoda sea grill, bath houses, concession stands, office for the company and cottage for the Beach personnel, representing a cost of about \$50,000. The buildings are of the Oriental type and were designed by Robert Smallwood of New Bern and New York. George J. Brooks, a member of the organization, handled engineering work on the causeway and on the Beach improvements, while the F. M. Simmons Construction Company, Charlotte, had contract for paving the causeway and streets and parkway at the Beach. The C. W. Styron Plumbing Company of Morehead City, had contract for plumbing and the Carteret Broadcast Service Company, Beaufort, for street and parkway lighting. Three

deep wells have been dug to assure an abundant supply of fresh water for drinking and for shower purposes.

Improvements planned for the second unit include a board walk two or three miles long, salt water swimming pool, hotels, yacht basins, golf links and polo fields. George A. Eyer, New York, representing Eyer & Company, is financing the program and owns an interest in the project. Directors of the corporation include: W. A. Mace, George W. Huntley, C. R. Wheatley, George J. Brooks, W. T. Davis and Julius F. Duncan of Beaufort; F. M. Simmons, Charlotte; Mayor Luther Hamilton of Morehead City, and Mr. Eyer.

## **Alabama to Let Contracts for 300 Miles Roads to Cost \$2,000,000.**

Montgomery, Ala.—Bids will be received July 24 by the State Highway Commission for the construction of 37 road projects embracing a total of more than 300 miles. This will be the largest single award of the highway department since the road building campaign started and is estimated to involve more than \$2,000,000. The work will be distributed among the following counties: Winston, Butler, Dallas, Washington, Clarke, Cullman, Marshall, Baldwin, Tuscaloosa, St. Clair-Talladega, Washington-Chocataw, Talladega-Calhoun, Marshall, Calhoun-Cleburne, Dale, Talladega, Autauga, Chocataw, Henry-Dale, Marion, Morgan-Lawrence, Cleburne, Pickens, Lamar, Russell, Perry-Hale-Marengo, Morgan, Madison, Walker and Lowndes.

## **\$1,000,000 Mortgage Corporation for Atlanta.**

Atlanta, Ga.—The United States Bond and Mortgage Corporation, capitalized at \$1,000,000, has organized here with S. C. Dobbs, Sr., chairman of the board; S. C. Dobbs, Jr., president; Howard R. Cook, vice president and general manager, and C. G. Green, secretary-treasurer. The Trust Company of Georgia will be the fiscal agent for the corporation, which plans to handle second mortgages on residence properties.

## **Building Associations Merge With \$1,500,000 Capital.**

Louisville, Ky.—The Kentucky Savings and Building Association, capitalized at \$500,000, and the Commonwealth Building Association, capitalized at \$1,000,000, have merged as the Commonwealth Building Association with an authorized capital stock of \$1,500,000. T. A. Luman is president of the new association and T. N. Williams is secretary.

## **\$1,000,000 Mortgage Company for Birmingham.**

Birmingham, Ala.—The State Mortgage Company, with an authorized capital stock of \$1,000,000, has organized here with William M. Leary, president; C. W. Smith, Jr., vice president; and J. H. Craig, secretary-treasurer. It will loan money on real estate mortgages.

## **South Carolina City Offers \$324,500 Bonds.**

Aiken, S. C.—Bids will be received July 25 by the Mayor and City Council of Aiken for the purchase of \$324,500 4½ per cent bonds. Of the total, \$82,000 are past indebtedness bonds, \$125,000 for drainage, \$92,500 for paving and \$25,000 for sewers.

## **Richmond Asks Bids on \$1,100,000 Bonds.**

Richmond, Va.—Bids will be opened July 24 by the City of Richmond for the purchase of \$1,100,000 4½ per cent bonds, comprising \$400,000 sewer, \$400,000 school and \$300,000 general improvement bonds.





BOND ISSUES

BUILDINGS

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GOOD ROADS



# PROPOSALS

Bids close August 15, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M., August 15, 1928, and then opened. for dredging Channel between Aransas Pass and Corpus Christi, Texas. Further information on application.

Bids close August 6, 1928.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 13, 1928.—SEALED BIDS will be opened in this office at 2 p. m., August 6, 1928, for partitions, etc., on the 4th and 5th floors of the Liberty Loan Building, Washington, D. C. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close July 19, 1928.

## \$25,000 School Bonds

Green Cove Springs, Fla.  
Bids will be received until July 19, 1928, for \$25,000 Special Tax School District Number 3 Bonds.  
P. L. TIPPINS.

Bids close July 30, 1928.

## \$175,000 4½% School Bonds of 1928

Clifton Forge, Va.  
The City of Clifton Forge, Virginia, will, at 2 P. M. on

JULY 30, 1928, in the Court Room of the City Hall of said city, receive bids for the purchase of One Hundred Seventy-five Thousand Dollars (\$175,000) of School bonds (General obligations of city). Said bids may be made in person, by representatives duly authorized or by mail.

Bonds will be of the denomination of \$1000 each in coupon form, bearing interest at the rate of four and one-half per centum per annum; bonds will be dated July 1, 1928, and will mature July 1, 1958. Interest will be payable on the first day of July and January. Both principal and interest will be payable at the Chase National Bank in the City of New York.

Mail bids should be addressed to C. P. Nair, Chairman of the Finance Committee, Clifton Forge, Va., and all bids must be accompanied by a certified or cashier's check for one and one-half per cent of the amount of this issue.

The right is reserved to reject any and all bids.

Bids close August 1, 1928.

## \$62,441 6% Drainage Bonds

Greenville, N. C.  
The Board of Drainage Commissioners of PITT COUNTY DRAINAGE DISTRICT NO. 1 will, on August 1, Wednesday, 1928, at 12 o'clock noon, receive sealed proposals for the purchase of \$62,441 of bonds of PITT COUNTY DRAINAGE DISTRICT NO. 1. These bonds are issued pursuant to the laws of the State of North Carolina and constitute a first lien on 11,684 acres in Pitt County, which lien is subject only to State and county taxes. These bonds bear interest at the rate of six per cent per annum, payable semi-annually; are serial, payable in ten equal annual installments, beginning July 1, 1931, in denominations of \$1000, the place of payment to be agreed on. No bid less than par and accrued interest will be accepted. These belong in class of "improvement district bonds."

For further information address W. G. Sheppard, Farmville, N. C., or F. M. Wooten, Greenville, N. C.

This July 10th, 1928.  
BOARD OF DRAINAGE COMMISSIONERS OF PITT COUNTY DRAINAGE DISTRICT NO. 1.

By JNO. T. THORNE,  
Chairman.

RATE: 35 cents per line per insertion.  
PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send Copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close August 7, 1928.

## \$60,000 6% Notes

Fort Pierce, Fla.  
The Board of County Commissioners of St. Lucie County, Florida, will open sealed bids at Fort Pierce, Florida, at 2 o'clock P. M. August 7, 1928, for sale of \$60,000 6% Coupon Road and Bridge Negotiable Notes, dated August 1, 1928, maturing serially each year from 1930 to 1949.  
For circulation with full information address P. C. Eldred, Clerk Board of County Commissioners, Fort Pierce, Florida.

## Notice of Cancellation Request for Proposals Red River Bridge at Coushatta

Baton Rouge, La., July 14, 1928.

Notice is hereby given by the Louisiana Highway Commission that they have cancelled the request for proposals for the franchise right to construct a bridge across the Red River at or near Coushatta, Louisiana, proposals for which were to have been received on July 31, 1928, and that proposals for this bridge will not be received as stated in advertisements published.

J. M. FOURMY,

State Highway Engineer.

J. M. NUGENT, Acting Chairman  
LOUISIANA HIGHWAY COMMISSION.

Bids close July 31, 1928.

## Reinforced Concrete Bridge

Hinton, West Virginia.

Sealed bids for the construction of a structural steel and reinforced concrete bridge over the Chesapeake & Ohio Railway at Hinton, W. Va., will be received at the City Hall, City of Hinton, at 8 o'clock P. M., July 31, 1928. Plans may be secured at the Office of the City Manager, City of Hinton, or from J. E. Settle, Consulting Engineer, Charleston, W. Va., with necessary proposal blanks and other information, after July 18, upon payment of \$10.00.

Certified check in the amount of \$4,000.00, payable to the City of Hinton, shall accompany each bid. Successful bidder will be required to execute the contracts and furnish a surety bond in a sum equal to 50% of the amount of the contract.

The City Council reserves the right to reject any or all bids, or waive any informalities in the bids received or to accept any bids they believe to be to the best interests of the City.

Contractors may submit alternate plans for consideration, but such plans must be complete as to details.

(Signed) HUME K. NOLAN,  
City Manager.

## Notice of Cancellation

## Request for Proposals Mississippi River Bridge at Baton Rouge

Baton Rouge, La., July 14, 1928.

Notice is hereby given by the Louisiana Highway Commission that they have cancelled the request for proposals for the franchise right to construct a bridge across the Mississippi River at Baton Rouge, Louisiana, proposals for which were to have been received on July 31, 1928, and that proposals for this bridge will not be received as stated in advertisements published.

J. M. FOURMY,

State Highway Engineer.

J. M. NUGENT, Acting Chairman  
LOUISIANA HIGHWAY COMMISSION.

Bids close July 24, 1928.

## Steel and Concrete Bridges

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

## NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building bridges as follows:

Baltimore City, Cont. BC-73—Three-span steel and concrete bridge under the tracks of the Western Maryland Railroad Company at Gwynn's Falls Parkway.

Montgomery County, Cont. M-114—Three-span steel and concrete bridge over the tracks of the Baltimore and Ohio Railroad Company on the road from Silver Springs to Bethesda.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 24th day of July, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 9th day of July, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close July 30, 1928.

## Road Improvements

Greenville, S. C., July 10, 1928.

Bids will be received by the Greenville County Highway Commission, Greenville, S. C., until 11 A. M. July 30, 1928, for Top Soiling and Surface Treatment of approximately 106 miles of cross-country roads.

Work consists of scarifying, resolling, shaping and placing approximately 104,000 Cu. Yds. of Top Soil and 1,122,000 Sq. Yds. of Bituminous Double Surface Treatment.

Each bid to be accompanied by a certified check for 5 per cent of the total bid. The right is reserved to reject any or all bids.

Proposals and Specifications may be obtained from the Engineers upon deposit of \$5.00.

DALTON & NEVES, Engineers,  
Cleveland Building,  
Greenville, S. C.

B. F. RUSH,  
Chairman of Commission.

Bids close August 14, 1928.

**Bridge Construction**

Baton Rouge, La.

Sealed proposals will be received by the Louisiana Highway Commission at their office in the Raymond Building, Baton Rouge, Louisiana, up to 11 o'clock A. M.

TUESDAY, AUGUST 14, 1928, at which time and place they will be publicly opened, for the construction of:

The Chef Menteur and Rigolets bridge superstructures and protection fenders, twenty-two and thirty miles, respectively, northeast of New Orleans, Louisiana, on the Chef Menteur Highway, Orleans and St. Tammany Parishes, Federal Aid Project 201, Section "D," Unit No. 2, and Section "F," Unit No. 2.

The work contemplated consists of furnishing all materials, labor, equipment, etc., necessary to build the steel superstructures, creosoted timber protection fenders for pivot piers and rest piers and asphaltic wearing surface on the steel superstructures and approaches. The Chef Menteur bridge superstructure will consist of two 250-ft. steel fixed spans and one 270-ft. steel swing span, all with concrete floor slabs. The following approximate quantities are involved in the Chef Menteur Bridge:

1,330,000 Pounds Fabricated Structural Steel.  
66,500 Pounds Deformed Reinforcing Steel.  
390 Cubic Yards Concrete in Floor Slab.  
2,000 Square Yards Asphalt Wearing Surface.  
62,000 Feet Board Measure Creosoted Lumber in Fenders.  
31,000 Lineal Feet Creosoted Piling in Fenders.  
Operating Machinery for Swing Span, lump sum.  
Power Equipment for Swing Span, lump sum.  
Operator's House for Swing Span, lump sum.

The Rigolets Bridge will consist of three 400-ft. steel fixed spans and one 400-ft. steel swing span, all with concrete floor slabs. The following approximate quantities are involved:

4,300,000 Pounds Fabricated Structural Steel.  
137,000 Pounds Deformed Reinforcing Steel.  
800 Cubic Yards Concrete in Floor Slabs.  
7,700 Square Yards Asphalt Wearing Surface.  
69,000 Feet Board Measure Creosoted Lumber in Fenders.  
30,000 Lineal Feet Creosoted Piling in Fenders.  
Operating Machinery for Swing Span, lump sum.  
Power Equipment for Swing Span, lump sum.  
Operator's House for Swing Span, lump sum.

Separate bids will be received, contracts executed and bonds required for each of the above described bridges, but a combination bid may be submitted covering work on both bridges, and if contract is awarded on this basis the work will be separated into two contracts and bond required for each.

Information as to the location, character of work, extent and class of material, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application, be obtained at the office of the Louisiana Highway Commission, Raymond Building, Baton Rouge, Louisiana. Plans and specifications may be inspected at the office of the Commission in Baton Rouge, or will be furnished upon receipt of \$5.00 for Chef Menteur Bridge, \$5.00 for Rigolets Bridge or \$8.00 for both bridges as payment therefor, not to be refunded. Each bid shall be submitted on a form furnished by the Commission and shall be placed, together with the proposal guaranty, in a sealed envelope so marked as to indicate its contents without being opened. This envelope shall then be placed in another, which shall be sealed and addressed to the LOUISIANA HIGHWAY COMMISSION, REYMOND BUILDING, BATON ROUGE, LOUISIANA.

J. M. FOURMY,

State Highway Engineer.

P. M. ATKINS, Chairman

Louisiana Highway Commission.

Bids close August 6, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 11, 1928.—SEALED BIDS will be opened in this office at 2 P. M. August 6, 1928, for changes in money order and registry division of the U. S. Postoffice, Lexington, Va. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close August 7, 1928.

**Road Construction and Material**

Bastrop, La.

The Police Jury of Morehouse Parish will receive bids up to 2 P. M. Tuesday, August 7, at Bastrop, Louisiana, and at that time and place publicly open and read, proposals for construction and materials for the construction of a 2½-mile extension to the Shelton Highway, beginning at Shelton at the Frost Lumber Industry's plant and extending northward approximately along the present public road.

Also for the furnishing of approximately 2000 yards of washed gravel or, as an alternate, 3000 yards of sand-clay gravel for said construction.

Information governing manner of submitting proposals, terms of payment and proposal blanks for submitting bids on the above work may be secured upon application at the Parish Engineer's office at Bastrop, Louisiana. A certified check in the amount of 5% of the amount bid must accompany each proposal and a surety bond in the amount of 50% of the total amount bid will be required when contract is awarded.

J. LESTER WHITE,

Parish Engineer.

J. W. BRODNAX,

President Police Jury.

Bids close July 24, 1928.

**State Highways**DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building five sections of State Highway as follows:

Frederick County, Cont. F-105—One section of State Highway between Licksville and Point of Rocks for a distance of 0.91 mile. (Concrete.)

Prince George's County, Cont. P-73—One section of State Highway along the River Road from end of Cont. P-68 toward Bladensburg and along the Suitland Road from end of Cont. P-68 to Suitland, a distance of 1.25 miles. (Concrete.)

Worcester County, Cont. Wo-58—One section of State Highway along Williams Street, Berlin, for a distance of 0.59 mile. (Concrete.)

Worcester County, Cont. Wo-59—One section of State Highway along Market Street, Snow Hill, for a distance of 0.46 mile. (Concrete.)

Montgomery County, Cont. M-109—One section of State Highway along the River Road between the Woodmont-Glen Echo Road and Campbell's Corner, a distance of 1.51 miles. (Concrete Shoulders and Penetration Macadam Resurfacing.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 24th day of July, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 7th day of July, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 6, 1928.

**Street Improvements**

Barnesville, Georgia.

Sealed proposals will be received by the Mayor and Council of the City of Barnesville at the City Hall in Barnesville, Ga., until 1 P. M. August 6, 1928, for grading, draining and paving Thomaston Street and a portion of Forsyth Street, in the City of Barnesville, Georgia.

The work will include approximately 3000 cubic yards of excavation, 15,000 square yards plain concrete pavement, 8000 feet of concrete curbs and the construction of the necessary drainage work.

Each proposal must be accompanied by a certified check, payable to the City of Barnesville, Georgia, in an amount equal to five (5%) per cent of the bid as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required as provided in the Act of the General Assembly of Georgia, entitled "Contractors of Public Work Bonded," approved August 19, 1916, and a further bond is required equal in amount to twenty-five (25%) per cent of the contract cost for the maintenance of the good condition of such improvements for a period of five (5) years from the completion of the work.

Plans and specifications are on file at the office of the City Clerk of Barnesville, Ga., and with Wiedeman & Singleton, Engineers, 1404 Candler Building, Atlanta, Georgia. Bidders may obtain copies of the specifications from the Engineers by enclosing check for ten (\$10) dollars, payable to the City of Barnesville. Blueprints may be had at the cost of printing. If specifications are returned within thirty days after opening date, the check for ten dollars will be returned.

The sealed proposals submitted will be opened and considered by the Mayor and Council of the City of Barnesville at the City Hall in said city on August 6, 1928, at 1 P. M.

E. L. COOK,

Clerk and Treasurer of the  
City of Barnesville.

Bids close August 15, 1928.

**Storm Sewers**

Houston, Texas.

Sealed bids will be received, in duplicate, at the office of the City Secretary of the City of Houston, Texas, until 11 o'clock A. M. Wednesday, August 15, 1928, for the following storm sewer construction in Houston:

Storm Sewer on Yale street connecting to the existing sewer in alley between Heights Boulevard and Yale street from a point near Sixth street to Seventh street, on Seventh street to Yale, and on Yale street from Seventh to Sixteenth, with laterals at each cross street from Yale to west side of Heights Boulevard. Approximate quantities are: 2000 lineal feet of 15-inch sewer pipe; 300 lin. ft. of 18-inch pipe; 300 lin. ft. of 36-inch monolithic concrete sewer; 670 lin. ft. 42-inch monolithic concrete sewer; 100 lin. ft. of 48-inch monolithic sewer; 1340 lin. ft. of 54-inch monolithic sewer; 670 lin. ft. 66-inch monolithic sewer; 670 lin. ft. 72-inch monolithic sewer; 1340 lin. ft. 78-inch monolithic concrete sewer; 1250 lin. ft. 84-inch monolithic concrete sewer; 14 storm sewer manholes; 44 storm sewer inlets.

Storm sewer in large gully between Oxford street and Beverly from a point near Sixth street to Eighth street, on Eighth to Oxford, and on Oxford from Eighth to Fifteenth, with the following approximate quantities: 1600 lin. ft. of 15-inch sewer pipe; 200 lin. ft. of 18-inch pipe; 120 lin. ft. 36-inch monolithic concrete sewer; 60 lin. ft. 42-inch monolithic sewer; 1300 lin. ft. 48-inch monolithic sewer; 1300 lin. ft. 60-inch monolithic sewer; 2880 lin. ft. of 72-inch monolithic sewer; 14 storm sewer manholes; 40 storm sewer inlets.

Plans and specifications and all necessary information may be had upon application at the office of the City Engineer. A deposit of Ten Dollars will be required, which will be refunded upon submission of a bid on the work, or the return of the plans and specifications in good condition.

Certified check upon any bank doing business in the City of Houston equal to five per cent of bid must accompany each proposal. The City reserves the right to reject any or all bids or to accept any bid deemed advantageous to it.

Dated this 15th day of July, 1928.

O. F. HOLCOMBE, Mayor.



Bids close August 6, 1928.

**Sewers and Appurtenances**

Towson, Md., July 16, 1928.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for excavation for and laying of sewers and appurtenances in the vicinity of "ARBUTUS" and "HALETHORPE," Contract 12-S, will be received at their office in the Court House, Towson, Md., until 11 A. M., Eastern standard time, on August 6, 1928, next, when they will be publicly opened and read.

**APPROXIMATE QUANTITIES**  
**SECTION NO. 2, HERBERT RUN SEWER**  
**CONTRACT NO. 12-S**

812 Lin. Ft. 6-inch T.C. House Connections.  
 700 Lin. Ft. 8-inch T.C. Sewer.  
 56 Lin. Ft. 16-inch C.I. Sewer.  
 443 Lin. Ft. 18-inch T.C. Sewer.  
 254 Lin. Ft. 20-inch T.C. Sewer.  
 353 Lin. Ft. 22-inch T.C. Sewer.  
 1337 Lin. Ft. 24-inch T.C. Sewer.  
 705 Lin. Ft. 27-inch T.C. Sewer.  
 4040 Lin. Ft. 30-inch T.C. Sewer.  
 38 Lin. Ft. 30-inch Brick and Concrete Sewer.  
 1030 Lin. Ft. 33-inch T.C. Sewer.  
 393 Lin. Ft. Brick Manholes.  
 5000 Cubic Yards Rock Excavation.

All bids must be signed and alternate bids separately totaled in the spaces provided. Each bid must be accompanied by a certified check for Five Thousand (\$5000) Dollars, payable to the County Commissioners of Baltimore County, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder. A copy of the Specifications, Plans and Drawings will be furnished prospective bidders upon receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after the opening of the bids and award of the contract. No specifications or drawings will be issued after August 3, 1928, next. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after July 25, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified, without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or proposals or bids that contain items exceedingly high or low, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the county.

BY ORDER OF THE BOARD.

JOHN R. HAUT,  
 Chief Clerk.  
 A. E. WALDEN,  
 Chief Engineer.

Bids close July 24, 1928.

**Water and Sewer Improvements**

High Point, N. C.

Sealed proposals will be received by the Mayor and City Council for the City of High Point, North Carolina, until 8 o'clock P. M. Tuesday, July 24, 1928, for Water and Sewer Improvements enumerated as follows:

Trenching, backfilling and laying 8790 feet of 24-inch cast-iron water line complete.

Trenching, backfilling and laying 2600 feet of 16-inch cast-iron water line complete.

Trenching, backfilling and laying 10,605 feet of 12-inch cast-iron water line complete.

Trenching, backfilling and laying 3100 feet of 6-inch cast-iron water line complete.

Trenching, backfilling and laying 2325 feet of 2-inch cast-iron water line complete.

Setting 7 24-inch valves with casings.

Setting 4 16-inch valves with casings.

Setting 12 12-inch valves with casings.

Setting 4 6-inch valves with casings.

Setting 3 2-inch valves with boxes.

Setting 2 6-inch steamer hydrants.

Trenching, backfilling and laying 9450 feet of 8-inch terra cotta sewer.

Constructing 24 manholes.

Furnishing the following materials

F. O. B. cars High Point, N. C.:

Furnishing 7 24-inch bevel gear gate valves with by-pass, H.E.

Furnishing 4 16-inch spur gear gate valves with by-pass, H.E.

Furnishing 14 12-inch gate valves, H.E.

Furnishing 25 6-inch gate valves, H.E.

Furnishing 25 6-inch steamer hydrants.

Furnishing 8790 feet (1026 tons, more or less), 24-inch class "B" cast-iron pipe.

Furnishing 2600 feet (165 tons, more or less), 16-inch class "B" cast-iron pipe.

Furnishing 10,605 feet (435 tons, more or less), 12-inch class "B" cast-iron pipe.

Furnishing 27 tons, more or less, of cast-iron fittings.

Proposals must be marked "PROPOSALS FOR WATER AND SEWER IMPROVEMENTS." All bids must be upon blank forms provided in copies of the proposal, contract and specifications, and addressed in a sealed envelope to the Mayor and City Council of the City of High Point, North Carolina.

Each bid must be accompanied by a certified check in the amount of five (5%) per cent of the amount of the bid as evidence of good faith. Bid bonds will not be acceptable.

Copies of the specifications, form of proposal, contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids or to award contract or contracts which, in the opinion of the Engineer and City Council, appear to be for the best interest of the city.

W. A. DAVIS, Mayor.  
 E. M. KNOX, City Manager.  
 P. J. DISHNER,  
 Supt. Water and Sewer Dept.,  
 Municipal Building,  
 High Point, N. C.

Bids close August 10, 1928.

**New Supply Mains****WATER DISTRIBUTION DIVISION**

Dallas, Texas.

Sealed bids or proposals addressed to the Mayor and Board of City Commissioners of the City of Dallas, Texas, and endorsed "Proposal for Cast-Iron Pipe," "Proposal for Concrete Pressure Pipe" or "Proposal for Steel Pipe," as the case may be, will be received at the office of the City Secretary until 10 A. M. August 10, 1928, and then publicly opened and read, for the furnishing and laying of pipe lines, together with appurtenances, in the following amounts:

52,460 linear feet of 36-inch for 300-foot head.

21,900 linear feet of 36-inch for 200-foot head.

3,000 linear feet of 30-inch for 300-foot head.

21,990 linear feet of 30-inch for 200-foot head.

3,300 linear feet of 24-inch for 300-foot head.

6,900 linear feet of 24-inch for 200-foot head.

3,600 linear feet of 18-inch for 200-foot head.

2,500 linear feet of 16-inch for 200-foot head.

This material and laying of lines shall be done in accordance with plans and specifications on file with J. R. John, Engineer of Water Department, copy of which may be obtained on deposit of a cashier's check of \$25; this check will be returned on return of plans and specifications.

Bids to be received on all lines covered by these plans and specifications as follows:

1—Bids will be received separately for furnishing material used in construction of the lines.

2—Bids will be received separately for taking of material from the yards designated by the City of Dallas and constructing line.

3—Bids will be received for furnishing all material and constructing lines according to the above-mentioned plans and specifications.

With each bid there shall be submitted a cashier's check on any State or National bank of the City of Dallas in the amount of 5% of the total sum bid, made payable to the Mayor of the City of Dallas, said check to be returned in accordance with specifications.

The city reserves the right to reject any or all bids.

M. G. JAMES, City Secretary.

Bids close August 3, 1928.

**Sanitary Sewers**

Columbiana, Ala.

Sealed bids will be received by the Town Council of Columbiana, Alabama, at the office of City Clerk until 7.30 P. M. August 3, 1928, and at that time publicly opened, for the construction of certain sanitary sewers under Improvement Ordinance No. 101. The principal items of work are approximately as follows:

10,660 Lin. Ft. 8-inch Sewer.  
 2,630 Lin. Ft. 12-inch Sewer.  
 372 8x4 Wyes.  
 190 Cu. Yds. Class A Concrete.  
 18,000 Lbs. Reinforcing Steel.  
 1,020 Lin. Ft. 10-inch Sewer.  
 41 Manholes.  
 400 Cu. Yds. Rock Excavation.

Plans and specifications are on file in the office of the Mayor at Columbiana and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured on deposit of \$5.00 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.00.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Two Thousand (\$2000) Dollars, made payable to the Town of Columbiana, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

D. S. LIGHTCAP, Mayor.  
 ROBERT L. TOTTEN, INC.,  
 Consulting Engineers,  
 Birmingham, Ala.

Bids close July 30, 1928.

**School Buildings**

Martinsville, Va.

Sealed proposals for a ten-room school building at Ridgeway, Virginia, two 2-room buildings and two 4-room buildings will be received by the County School Board of Henry County at the office of the Division Superintendent until 10.30 A. M. July 30, at which time and place they will be publicly opened and read.

Plans and specifications will be furnished by the Division Superintendent upon application and payment of \$5.00, of which \$3.00 will be returned to the unsuccessful bidders upon return of the plans in good condition.

The School Board reserves the right to reject any and all bids.

B. CLIFFORD GOODE,  
 Division Superintendent.

Bids close August 10, 1928.

**Water Purification Plant**

Dallas, Texas.

Sealed bids will be received in the office of the undersigned until 10 A. M. August 10, 1928, for the building of a 32,000,000-gallon-per-day Water Purification Plant, in accordance with plans and specifications on file with the City Secretary. The work to be let in two contracts as follows:

The General Contract to include construction work such as basins, buildings, etc. Plans and specifications may be obtained from David Morey, Jr., 417 Praetorian Building, Dallas, Texas, on deposit of a certified check of \$75. This check will be returned on return of plans and specifications. A cashier's check on any State or National bank of the City of Dallas in the amount of \$45,000, made payable to the Mayor of the City of Dallas, will be required of bidders on this section.

Contract for filter piping and equipment to cover the furnishing and installation of the filter equipment proper. Plans and specifications may be obtained from David Morey, Jr., 417 Praetorian Building, Dallas, Texas, on deposit of a certified check of \$75. This check will be returned on return of plans and specifications. A cashier's check on any State or National bank of the City of Dallas in the amount of \$10,000, made payable to the Mayor of the City of Dallas, will be required of bidders on this section.

The city reserves the right to reject any or all bids.

Envelopes must be marked "Bids on Purification Plant."

M. G. JAMES, City Secretary.

Bids close August 1, 1928.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M. August 1, 1928, and then opened, for dredging Houston Ship Channel, Texas. Further information on application.

Bids close July 25, 1928.

### Flooring

DEPARTMENT OF EDUCATION  
OFFICE OF THE  
BOARD OF SCHOOL COMMISSIONERS  
MADISON AND LAFAYETTE AVENUES  
Baltimore, July 11, 1928.

Sealed Proposals, in duplicate, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, July 25, 1928, endorsed as follows:

"Proposals for Furnishing and Delivering Flooring for several schools for the Department of Education."

Specifications for the above may be obtained at the office of the Director of Business Management, School Board, Madison and Lafayette avenues, Baltimore, Md.

Each bid must be accompanied by a certified check of the bidder for \$50, made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank.

The successful bidder will be required to give bond for the faithful performance of his contract in an amount equal to the contract price and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

JOSHUA R. JOLLY,  
Acting Secretary Board of  
School Commissioners.

Approved July 11, 1928.  
WILLIAM F. BROENING,  
President Board of Awards.

Bids close August 10, 1928.

### Gate Valves

Dallas, Texas.

Sealed bids will be received in the office of the undersigned until 10 A. M. August 10, 1928, for furnishing the City of Dallas with the following:

Five 16-inch Gate Valves, vertically operated, without by-pass or gearing.

Two 18-inch Gate Valves, vertically operated, without by-pass or gearing.

Five 24-inch Gate Valves, horizontally operated, with by-pass and bevel gear.

Eight 30-inch Gate Valves, horizontally operated, with by-pass and bevel gear.

Sixteen 36-inch Gate Valves, horizontally operated, with by-pass and bevel gear.

Two 36-inch Gate Valves, vertically operated, hydraulic control.

All valves shall be subjected to a hydrostatic test of three hundred pounds at the factory and guaranteed for a working pressure of one hundred and fifty pounds. They shall be iron body, bronze mounted, double gate and made in strict conformity to the latest specifications of the American Water Works Association.

Bidders will be required to furnish with their bids detail drawings, specifications and weights of the valves they propose to furnish. Any bid shall be considered informal that does not include these data. Bidders will also be required to furnish satisfactory evidence that they have had the necessary experience in the manufacture of high-grade water-works gate valves; also that they have sufficient capital and equipment available to insure prompt construction and delivery. Proposals will be received for standard hub-end valves only for sizes 16-inch to 24-inch, inclusive; for 30-inch and 36-inch valves proposals are required for standard flange connections as an alternate. All prices quoted are to be f. o. b. cars, Dallas, Texas.

The Mayor and Board of Commissioners reserve the right to reject any or all proposals, to waive any informality, to accept

any proposal, whether lowest or not, other than the low bidder's proposal, considered most advantageous to the city. No contract shall be entered into until executed by the Mayor and approved by the Board of Commissioners, according to specifications and plans and such additional terms and conditions as may be provided by the Board of Commissioners.

Envelopes must be marked "Bids on Gate Valves."

M. G. JAMES, City Secretary.

Bids close August 10, 1928.

### Pumping Equipment

Dallas, Texas.

Sealed bids will be received in the office of the undersigned until 10 A. M. August 10, 1928, for furnishing and erecting the following pumping equipment at Bachman's Dam:

Two 15 M.G.D. turbine driven pumping units, complete with all auxiliaries.

Three 15 M.G.D. motor driven pumping units, complete with motors.

Two 750 KVA turbo-generators, complete with all auxiliaries.

Three 300 H.P. water-tube boilers.

This equipment to be furnished and erected in accordance with plans and specifications on file with J. B. Winder, Chief Engineer of the Water Department, copies of which may be obtained on deposit of a cashier's check of \$10; this check will be returned on return of plans and specifications.

With each proposal there shall be submitted a cashier's check on any State or National Bank of the City of Dallas in the amount of 5% of the total sum bid, made payable to the Mayor of the City of Dallas, said check to be returned in accordance with specifications.

The city reserves the right to reject any or all bids.

Envelopes must be marked "Bids on Pumping Equipment."

M. G. JAMES, City Secretary.

## CLASSIFIED OPPORTUNITIES

### MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

#### LIMESTONE DEPOSITS

#### FOR SALE TWO DEPOSITS OF LIMESTONE IN NORTHWEST FLORIDA

Both large tonnage and high grade. Railroad runs through one and no great distance from other. Should interest Cement Manufacturers. Address

S. D. CRENSHAW,  
P. O. Box 667, Richmond, Va.

#### TIMBER AND TIMBER LAND TIMBER BARGAIN

9000 acres oak timber, four miles from B. & O. Railroad. Tract will average 6000 per acre. Real bargain for quick sale, price \$6.00 per acre in fee. For complete description write, NORMAN W. BURGESS, Realtor, Lexington, Va.

FOR SALE—Timber on 1000-acre tract in Maryland, near Washington, D. C. Can be shipped by railroad or water. Suitable for ties, pulp wood, building lumber and some walnut. If interested apply to

COLUMBIA SAND AND GRAVEL CO.,  
3036 K Street N. W.,  
Washington, D. C.

### FARM, FRUIT AND TRUCK LANDS

#### FLORIDA

#### SUMMERTIME IS BARGAIN TIME

Yes, the Slump is Over, but no advance in prices. Send today for free Special Summer Bargain List of Groves; also Farms, Homes and Investments. We have better values today, we believe, than we have had in our more than 15 years in business. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice "Since Before the War," Tampa, Florida.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

### FARM, FRUIT AND TRUCK LANDS

#### FLORIDA

RICH, PRODUCTIVE SOIL, in a community of prosperous farms. Large or small acreage units. Prices and terms attractive. For full details address

WEST DAYTONA DEVELOPMENT CO.,  
Owners of Craig Farms,  
P. O. Box 614,  
Daytona Beach, Fla.

#### GEORGIA

GEORGIA PEACH ORCHARD—20,000 trees in fine condition, now loaded with fruit; 300 acres fertile land, splendid improvements, right at a good county seat and railroad town; private side track and packing house on the place. Priced very low account death of owner. KEITH WEBB & SON, 217 First National Bank Building, Chattanooga, Tennessee.

### FARM, FRUIT AND TRUCK LANDS

#### KENTUCKY

#### CUMBERLAND STOCK RANGE

1200 acres fine cutover woodland range in Kentucky. Grass half knee high, natural ledges for shelter, no mountains. One ewe pays for 3 or more acres in year. Write for description, price, location. A. L. JONES, 102 S. Adam, Henderson, Ky.

#### MISSOURI

YOU CAN'T GO WRONG in the Ozarks: Land of a Million Smiles. Offer 80,000 acres productive farm land, solid body; healthful climate; drilling for oil within 40 miles; one-eighth oil and mineral rights reserved; price \$2.50 per acre. Gillette & Leonard, Immigrant Agents, West Plains, Mo.

#### NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

#### If interested

FOR HOME OR FOR INVESTMENT in the great and rapidly developing STATE OF NORTH CAROLINA, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to

F. C. ABBOTT & CO.,  
Realtors and Investment Bankers  
Nearly thirty years in Charlotte.

#### TENNESSEE

FARM—560 ACRES, 9 miles from this city, on fine pike road, fertile soil. lays well, natural blue grass land, well watered, good improvements. Splendidly adapted for large dairy or general farming. \$35,000. on reasonable terms. KEITH WEBB & SON, 217 First National Bank Bldg., Chattanooga, Tenn.



## BUSINESS OPPORTUNITIES

**GOING COAL AND WOOD YARD** for Sale, centrally located in the city of Norfolk, Virginia. Ideal proposition for able manager. Address No. 6915, care of Manufacturers Record, Baltimore, Md.

**YOUNG MAN**, college graduate, owner of two ice plants in the South, wishes to sell or merge with large group and assume charge of group of plants. Anyone interested in ice properties address No. 6928, care of Manufacturers Record, Baltimore, Md.

**BUSINESS OPPORTUNITY WANTED**—Interest in or entire purchase of small manufacturing business or distributing proposition by a young man of experience and character. Offer must bear strict investigation and merit. Reply, giving details. BOX 1364, Station A, Chattanooga, Tenn.

**ALABAMA**—For sale, hotel site in the best city in the South. Conditions here are fine and no depression to be found; a city with a wonderful future. Full co-operation by the citizens in filling a public need. Over \$2,000,000 spent in the last year in industrial and city improvements, with an annual payroll of better than \$1,500,000. Don't miss this one. Write or wire C. D. CARTER, Russellville, Ala.

**IS YOUR BUSINESS** as profitable as you think it should be? A business manager who has been connected with three very large manufacturing companies in an executive capacity for the last twenty-three years will soon be ready to consider a new connection. Compensation based on a percentage of savings made and profits added. No salary or drawing account required, provided an examination of your business shows possibilities. All replies will be considered confidential. Address No. 6929, care of Manufacturers Record, Baltimore, Md.

## BUSINESS AND INVESTMENT PROPERTIES

**FOR SALE**—Store building in the City of Moultrie, Ga., second door from best corner in town, it will rent for \$1800 per year; price \$11,500. Investigate Moultrie and her Territory. M. D. WILSON.

**SIX-STORY** solid stone business block, eight stores ground floor and five floors offices in the heart of Kansas City. Price \$250,000; encumbrance \$70,000. Will trade for farm lands, timber lands or income property in the South. Write for particulars. Submit what you have. PHOENIX REALTY CO., Columbia, Tenn.

## PUBLIC UTILITIES WANTED

**HAVE CLIENTS** with money to invest in public utilities, electro-power plants, water-works systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

## INDUSTRIAL CHEMIST

**INDUSTRIAL CHEMIST** for large corporation, with well-equipped private laboratory, desires analytical and consulting work for organization that does not maintain resident chemist. Address No. 6932, care of Manufacturers Record, Baltimore, Md.

## INDUSTRIAL SURVEYS

**ENGINEERING REPORTS** on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

**TECHNICAL SERVICE COMPANY** Woolworth Building New York City

## INDUSTRIES WANTED

**CHERAW, S. C.**, head of navigation Pee Dee River; in sandhill peach, dewberry, grape and other agricultural activities; unlimited hydro-electric power; unexcelled climate for year-round industrial operations; offers new enterprises tax exemptions and other advantages. Particularly interested machinery, hardware, steel and kindred plants. Have excellent bleachery and winter resort sites. Cheraw Chamber of Commerce.

## INDUSTRIAL PLANTS

## ICE PLANT

20 tons capacity, practically new, in Virginia town close to new National Park, offered for sale at low price by owners. B. E. Wheeler & Co., Charlottesville, Va.

**WRITE FANTUS** for factories anywhere. Wonderful values in buildings or equipped plants. Valuable industrial sites free of cost to established industries. For America's best buys, address Fantus Factory Locating Service, 139 North Clark Street, Chicago.

## SAVANNAH, GEORGIA WAREHOUSE

**FOR SALE**—Excellent Factory or Warehouse in City limits; location and building on Seaboard Air Line Railroad, with private track along side of building. Warehouse 306x100 and over 178,000 square feet of land. Plenty of cheap labor, white and colored. Address

HUE THOMAS, Savannah, Ga.

## FACTORY SITES

**FACTORY SITES** and acreage in Piedmont Section. Mill locations. HUGHES T. REYNOLDS, 304 First National Bank Building, Rome, Georgia.

**FOR SALE**—Site for Industrial Plant in Spartanburg County, S. C., at foot of Blue Ridge Mountains; 1400 acres. Can be cut to suit; one mile from power line, one and one-half miles from railway. Abundance of good water for large development; labor conditions good. Joseph Lee, Landrum, S. C.

**WE HAVE FOR SALE** at Charlotte, N. C., approximately ten acres of land, including railway sidings on both Seaboard Air Line and Southern Railway. On this property is a large two-story brick building suitable for manufacturing or storage warehouse, also other large frame buildings, brick office building. All main buildings sprinklered.

At Columbia, S. C., about five acres of land, with Southern Railway, Seaboard Air Line and Atlantic Coast Line Railway sidings; several large brick warehouses and mill buildings, brick office building. All buildings sprinklered.

Both of these properties are well situated within these cities and we would name low prices on same. Address

KERSHAW OIL MILL, Kershaw, S. C.

## PATENT ATTORNEYS

## FREE "PATENT PARTICULARS"

Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F, Washington, D. C.

**PATENTS**—Booklet free. Highest references. Best results. Promptness assured. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

**PATENTS--TRADEMARKS--COPYRIGHTS** Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

## SALES REPRESENTATIVES WANTED

**WELL-KNOWN MANUFACTURER** of centrifugal pumping machinery is desirous of obtaining live Southern representation. Only men well established in their trade and community will be considered. They must intensively cover both industrial and engineering offices and be competent to give engineering advice as well as to take orders. We are now represented in Florida, Louisiana, Kentucky, Tennessee, Maryland and Oklahoma. All other Southern States are open territory. Our line includes a wide variety of pumps for general water supply, sewage pumping, boiler feeding and heating. Address No. 6934 care Manufacturers Record, Baltimore, Md.

## AGENCIES WANTED

**CLEVELAND TERRITORY** desired by salesman with successful record. Only glit-edge proposition considered. Address No. 6936, care Manufacturers Record, Baltimore.

## SITUATIONS WANTED

**CONTRACTOR'S MANAGER** and Supt., age 40, married, now employed, desires change. Thoroughly experienced in estimates, subcontracts, buying and supervision of large industrial, commercial and educational buildings. Record will stand strict investigation. Address No. 6922, care of Manufacturers Record, Baltimore, Md.

**LUMBERMAN**, executive ability, manufacturing, wholesale and retail experience. Practical account experience buying and selling yellow pine and ability handle any proposition as manager, sales manager, purchasing agent or accountant. Energetic and reliable. Open for position of responsibility where merit counts. Address No. 6935, Manufacturers Record, Baltimore, Md.

## MEN WANTED

**PLASTERING CONTRACTOR** wants at once a settled, reliable man capable of doing General Office Work and estimating. State salary wanted. References required. Address No. 6933, care of the Manufacturers Record, Baltimore, Md.

**EXPERIENCED**, energetic sales manager for well-established inspection bureau, capable of handling district offices as well as the developing of new fields for this service. Prefer age 38 to 48—reference required, which will be treated confidentially. No. 6913, care of Manufacturers Record, Baltimore.

**SALESMAN WANTED**—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

**IF YOU ARE OPEN** to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

R. W. BIXBY, INC., 103 Downtown Bldg., Buffalo, New York.

## CONTRACT WORK WANTED

**PLATE WORKING MACHINERY**—a complete line. General and Special Machinery. Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs. Brass, Bronze and Aluminum to 10,000 lbs. COVINGTON MACHINE COMPANY, INC., Engineers Founders Machinists Covington, Va.

## MACHINERY AND SUPPLIES

G.E. 40 H.P., 1200 R.P.M., 220-Volt Type MT-336 40 Degree, Slip Ring Vertical Motor, complete with controller and grids. Price \$392.50 F.O.B. Orlando, Fla., if sold at once. Stewart Electric Service Co., Orlando, Fla.

**ICE-MAKING AND REFRIGERATING MACHINERY**—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. GEISER MANUFACTURING COMPANY, "Department E," Waynesboro, Pa.

## MACHINERY AND SUPPLIES WANTED

**WANTED**—Second-hand fixtures for banking room 25'x45'. Must be right-hand. Also fireproof door for book vault. Address P. O. Box 307, Albertville, Ala.

*Fidelity Trust Company, Trustee* } *in the United States District Court*  
*vs.* } *at Nashville, Tennessee*  
*Tennessee Charcoal Iron Company*

# RECEIVERS' SALE

of the

## Tennessee Charcoal Iron Company

At Waynesboro, Tennessee, at 10:00 o'clock A. M., on July 28, 1928

In obedience to the order of the Court in this cause, I will offer for sale at Waynesboro, Tennessee, at 10:00 o'clock A. M., on July 28, 1928, the following property of the defendant:

Approximately 85,000 acres of land with good and merchantable title; one iron blast furnace complete; one brick plant; approximately one hundred employee houses, of which eight have bathrooms, hardwood floors, furnaces, etc.; a large number of lots in Collinwood, Tennessee; one two-story hotel, equipped with furnishings and heated by steam heating plant; one two-story commissary and department store building with steam heating plant; electric light plant, telephone and water systems; and other miscellaneous property. On said lands there are about one hundred million feet of merchantable standing hardwood timber and about thirty million feet of standing soft wood merchantable timber, including pine; approximately two million railroad ties; approximately twenty million tons of iron ore and one million cords of standing cord wood. Also all of the common stock of the Tennessee Western Railroad Company and \$57,000.00 of the outstanding first mortgage bond issue of \$80,000.00. The Tennessee Western Railroad is incumbered also by a second mortgage bond issue of \$85,000.00 and interest. The Tennessee Western Railroad is a standard gauge railroad about eighteen miles in length running from Iron City, Tennessee, on the lines of the Louisville & Nashville Railroad to Collinwood, Tennessee, and is under lease to and being operated by the Louisville & Nashville Railroad.

This property was operated during the war for war purposes, and located adjacent to the blast furnace is a large wood distillation plant in which was invested more than two million dollars. The title to the wood distillation plant is in Waynewood Products Company, which is in bankruptcy and which property will also be sold on the same day.

Some of this property lies within about fourteen miles of Muscle Shoals, Alabama, and extends northwardly, mainly in Wayne County, Tennessee, to within a few miles of the terminus of the Nashville, Chattanooga & St. Louis Railroad Company's Branch at Allen's Creek, Tennessee.

The land is particularly suitable for sweet and Irish potatoes, tomatoes, cantaloupes, fruits of all kinds, and produces cotton and other crops.

Terms of the sale are one-fourth ( $\frac{1}{4}$ ) cash, balance in equal payments one, two and three years, with interest at 6%, and lien retained, or at the option of the purchaser the entire purchase price might be paid in cash. The purchaser will also assume all taxes for the year 1928.

The property will be sold as a whole and is subject to inspection at all times.

For further particulars communicate with William Wade, Special Master, Nashville Trust Building, Nashville, Tennessee, or Dan E. McGugin, American Trust Building, Nashville, Tennessee, or M. D. Arnold, Jr., Fidelity Trust Company, Knoxville, Tennessee, receivers.

Frank Turman, Collinwood, Tennessee, will show prospective purchasers over the property.

**WILLIAM WADE, Special Master**

## Timber Property For Sale

Timber on 17,500 acres, estimated to be 200,000,000 feet, belonging to Hyde County Land and Lumber Company, located near Swanquarter, Hyde County, North Carolina, will be offered for sale at Swanquarter, by undersigned, under decree District Court of the United States for Eastern District of North Carolina, on

**AUGUST 28th, 1928**

One of best equipped plants (including 50,000 feet capacity saw mill, shops, office, houses, personal property), in eastern North Carolina.

40% N. C. pine, 25% gum, 20% tupelo, and 15% of cypress and miscellaneous hardwoods. Company owned, standard gauge railroad on property. Shipment may be made by water.

For pamphlet, description, manner and terms of sale, and all information, address:

**CLARENCE E. MARTIN**

*Special Master Commissioner*

**Peoples Trust Bldg. Martinsburg, W. Va.**

## AUCTION SALE

Public Auction of Albemarle Soapstone Corporation's property, near Esmont, Albemarle County, Virginia, in famous Alberene field, at 12 M., July 30th, 1928, including valuable soapstone lands, quarries, railroad siding, mills, warehouses, dwellings, machinery, boilers, derricks, etc. Electric power.

**T. MUNFORD BOYD, D. J. WOOD, W. O. FIFE,  
H. W. WALSH, CHARLOTTESVILLE, VA.**

*Special Commissioners.*

## FOR SALE—UNEQUALLED OPPORTUNITY

*In the Heart of Muscle Shoals District*

Sixteen acres of land in the center of the City of Huntsville, Alabama, along which runs the City's BIG SPRING BRANCH carrying to waste twenty million gallons of water daily. A wonderful sight for Amusement park, lake, reservoir, ice factory and other utilities. Within a 2-mile radius of thirty thousand people. Address

**A-446**

Care of Manufacturers Record

Baltimore, Maryland

## OPPORTUNITY

Have you a used engine, air compressor, rails or equipment of any kind you are not using? Here is your opportunity to turn them into cash. Use our Resale Department for good results.

**Manufacturers Record  
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Designed  
Especially for  
**WATER TUBE  
BOILERS**

## MARION TYPE AB SOOT BLOWERS

*Check Catalog or Catalogs wanted. These will be mailed promptly on receipt of your request.*

- ☐ **CATALOG A**—Type AB Soot Blowers, Type A Soot Blowers, Type EB Soot Blowers, Type E Special Soot Blowers above are for Water Tube Boilers. Marion Duplex, Marion Type C and Marion Rotary Soot Blowers for H.R.T. Boilers.
- ☐ **CATALOG B**—Stokers—Mechanical, Semi-mechanical and Hand-fired Stokers, Double roll coal Crushers.
- ☐ **CATALOG C**—Grates—Marion Master, Scottdale, Marion Rocking, Marion Rocking & Dumping, Keystone Rocking, Marion Forced Draft, Straight & Circular, Boiler Fronts, Lime Kiln Fronts, etc.
- ☐ **CATALOG D**—Material Handling Equipment, Coal Tipples, Shaking & Gravity Screens, Picking Tables, Loading Booms, Self Dumping and Platform Cages, Conveyors, Larries and other material handling equipment.
- ☐ **CATALOG E**—Rust Clay Feeders & mixers, Brick Machines, Pug Mills, Disintegrators, Elevators, Brick and Tile Barrows.
- ☐ **CATALOG F**—Municipal Castings, Ornamental Lamp Posts, Traffic Signs, Meter Boxes, Pipe Pushing Machines.
- ☐ **CATALOG G**—Water Heaters, Steam Traps, Temperature Regulators, Hot Water Storage Tanks.
- ☐ **CATALOG H**—Wrenches, Boiler Tubes, Picking, Hose, Insulation Valves, Gauges, Thermometers, Paints, Threading Tools, Belt Dressing, Brick Bond, Furnace Lining, Car Movers, etc.
- ☐ **CATALOG No. 7**—Marion Metal Buildings.

All parts are made of semi-steel and bronze castings, designed to operate at pressure up to 300 lbs.

This blower, with valve at head independently operated, permits 100% cleaning pressure thru entire blowing arc.

It thoroughly cleans the tubes of soot, fine ash and cinders by turning on the blast of dry steam and rotating the blowing element. It can be installed without difficulty, requiring no changes or alterations in your boiler setting. The amount of coal saved in a few months will pay for the installation.

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The superior operation of the unit is best expressed in the statement of a gas-electric owner that the machine has "the flexibility of the steam shovel." It is the only gas shovel with separate and individual driving units on the hoist, swing and crowd.

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